

UNIFORM SOYBEAN TESTS

SOUTHERN STATES

2013

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TABLE OF CONTENTS

INTRODUCTION	1
POLICY ON EVALUATION AND RELEASE OF STRAINS	2
ACKNOWLEDGEMENTS	3
UNIFORM TEST PARTICIPANTS	4
STRAIN DESIGNATION	6
SOYBEAN NURSERY INFORMATION	
A. Location Contact and Tests	7
B. Planting Dates	8
C. Harvest Dates	9
D. Agronomic Characteristics of Locations	10
E. Weather Station Information	11
METHODS	
Cultural Practices	12
Maturity, Harvest, and Yield	12
Pest Assessment	13
Statistical Analyses	14
MATURITY GROUP IV-S	
UNIFORM	17
PRELIMINARY EARLY	45
PRELIMINARY LATE	55
MATURITY GROUP V	
UNIFORM	65
PRELIMINARY	93
MATURITY GROUP VI	
UNIFORM	103
PRELIMINARY	129
MATURITY GROUP VII	
UNIFORM	139
PRELIMINARY	161
MATURITY GROUP VIII	
UNIFORM	171
PRELIMINARY	187

INTRODUCTION

The Uniform Soybean Testing Program has been directed toward the testing of elite breeding lines that ultimately leads to the release of varieties. Breeding lines are developed and evaluated in several participating federal and state research programs. As breeding lines demonstrate specific qualities in the individual programs, they are advanced to the preliminary and uniform regional tests conducted in cooperation with research workers in the southern states. This testing program enables breeders to evaluate new strains under a wide variety of conditions, and permits new strains to be put into production in a minimum amount of time. Lines are usually entered only once in the Preliminary Test and then are either dropped or advanced to the Uniform Test for a maximum of three years if performance warrants further testing.

Eleven uniform test groups have been established to evaluate the best strains developed in the breeding programs. The groups 00 through IV are adapted in the northern part of the United States, and the groups IV-S through VIII are grown in the southern part. Within their area of adaptation, there is a maturity range of 12 to 18 days within each maturity class. The best varieties available in each maturity class are used as check varieties with which to compare new strains as to seed yield, chemical composition, maturity, height, lodging, seed quality, and reaction to diseases and nematodes. For the groups grown in the southern area, the check varieties are: AG3803(RR), AG4232RR2Y, AG4632RR2Y, LD06-7620, DK4866, AG4907(RR), 5002T, Osage, JTN-5203, 95Y70, AG5332RR2Y, AGS606(RR), Dillon, NC-Roy, NCC06-1090, AGS606RR, AGS787RR, N7003CN, NCC06-899, G06-3182RR, AGS828RR, N05-7432, and N8001.

A wide range of soil and climatic conditions exists in the regions. As an aid in recognizing regional adaptation, the region has been subdivided into five rather broad areas which still represent a wide range of soil types. These are: (1) the East Coast, consisting of the Coastal Plain and Tidewater areas of the eastern shore of Maryland, Virginia, North Carolina, and the upper half of South Carolina; (2) the Southeast, consisting primarily of the Coastal Plain soils of the Gulf Coast area, but also including similar soil from South Carolina, southward; (3) the Upper and Central South, including the Piedmont and loessial hill soils east of the Mississippi River; (4) the Delta area, composed of the alluvial soils along the Mississippi River from southern Missouri, southward; and (5) the West, comprising Arkansas and Louisiana (outside the Delta), Kansas, Oklahoma, and Texas. In the West, the potential soybean-growing areas would include alluvial soils, and the Gulf Coast of Louisiana.

On nearly all of the soils, other than the alluvial soils along the Mississippi River, fertilization is essential for satisfactory soybean production. The soil test information is based upon analyses run by laboratories in conjunction with the states. Different methods are used for extraction and reporting by the various laboratories.

POLICY ON EVALUATION AND RELEASE OF STRAINS

Germplasm exchange among breeding programs is the foundation of breeding progress. The purpose of the Uniform Soybean Test is to facilitate the free exchange of germplasm in an effort to maximize genetic diversity and provide well-adapted, stable breeding lines and varieties in the pursuit of breeding progress. Participants are encouraged to exchange germplasm within the legal guidelines pertaining to transgenic strains.

Qualifications for Participation in the Uniform Soybean Tests

Participants must be willing and able to conduct unified tests with conventional strains and strains containing proprietary and/or transgenic traits.

Participants, upon submission of entries, must disclose pedigrees to the Uniform Soybean Test Coordinator for publication with performance data in the Uniform Soybean Test Report.

Participants are individually responsible to ensure that any transgenic entries that they submit are cleared for sale as commodity seed.

Use of Uniform Soybean Test Entries in Soybean Breeding and Research

Seed of Uniform Soybean Test entries is for evaluation in the Uniform Soybean Tests only, and may not be distributed to non-participants in these tests without prior approval by the originator of the entry.

Non-transgenic entries in the Uniform Soybean Test may be used by Uniform Soybean Test participants as parents only in biparental crosses or for developing recurrent selection populations. Transgenic entries may be used in crossing subject to similar rules unless licensing or patenting restrictions regarding ownership of the transgenic trait limit this use.

Uniform Soybean Test participants must obtain prior approval before using any entry, other than their own, for a recurrent parent in backcrossing, molecular research, genetic studies, or any other research which may lead to the citation of the entry in a patent.

Seed of any transgenic entry must not be used for further evaluation without written permission from the originator of the entry, and must be discarded at the end of the season, except for crossing purposes, subject to the restrictions outlined in the preceding sections two and three.

All published results from the USDA-ARS Uniform Soybean Tests Southern States may be used as a data base for statistical research and publication related to soybean breeding.

Release of Uniform Soybean Test Entries

Entries in the Uniform Soybean Tests are released according to USDA-ARS and State Agricultural Experiment Station policies.

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STRAIN DESIGNATION

The strains designated by number carry a letter prefix. This letter identifies where each strain was selected:

DB	-	Delta Branch Experiment Station and USDA-ARS, Stoneville, MS
DS	-	Delta Branch Experiment Station and USDA-ARS, Stoneville, MS
G	-	Georgia Agricultural Experiment Station
JTN	-	Tennessee Agricultural Experiment Station, Jackson and USDA-ARS
K	-	Kansas Agricultural Experiment Station
LG	-	Delta Branch Experiment Station and USDA-ARS, Stoneville, MS
LLL	-	North Carolina Agricultural Experiment Station and USDA-ARS
N	-	North Carolina Agricultural Experiment Station and USDA-ARS
NCC	-	North Carolina Agricultural Experiment Station and USDA-ARS
NLM	-	North Carolina Agricultural Experiment Station and USDA-ARS
NMS	-	North Carolina Agricultural Experiment Station and USDA-ARS
R	-	Arkansas Agricultural Experiment Station
S	-	Missouri Agricultural Experiment Station
SC	-	South Carolina Agricultural Experiment Station, Clemson
TCHM	-	North Carolina Agricultural Experiment Station and USDA-ARS
TN	-	Tennessee Agricultural Experiment Station
V	-	Virginia Agricultural Experiment Station, Virginia Tech
VS	-	Virginia Agricultural Experiment Station, Virginia State University

SOYBEAN NURSERY INFORMATION

A. LOCATION CONTACT AND TESTS- 2013

2013 Locations	Location Contact	Area	IV-S-E	IV-S-L	IV-S	V	V	VI	VI	VII	VII	VIII	VIII
Belle Mina,AL	David Weaver	South					U		U				
Fairhope,AL	David Weaver	South							U		U		U
Tallassee,AL(A)	David Weaver	South						P	U	P	U	P	U
Tallassee,AL(B)	David Weaver	South											U
Keiser,AR	P. Chen	Delta	P	P	U	P	U	P	U				
Stuttgart,AR	P. Chen	Delta	P	P	U	P	U	P	U				
Athens,GA(A)	Zenglu Li	South							U	P	U	P	U
Athens,GA(B)	Zenglu Li	South									U		U
Calhoun,GA	Don Day	South							U		U		
Plains,GA	Zenglu Li	South								P	U	P	U
Tifton,GA	Don Day	South							U		U		U
Carbondale,IL	Stella K. Kantartzi	South	P	P	U								
Valmeyer,IL(SDS)	Cathy Schmidt				U		U						
McCune,KS	W. T. Schapaugh, Jr.	West		P	U	P	U						
Pittsburg,KS	W. T. Schapaugh, Jr.	West		P	U	P	U						
Bossier City,LA	Blair Buckley	West			U		U		U		U		
Portageville,MO(A)	Grover Shannon	Delta			U		U						
Portageville,MO(B)	Grover Shannon	Delta	P	P	U	P	U						
Starkville,MS	Brad Burges	South			U		U						
Stoneville,MS	Gary Shelton	Delta	P	P	U	P	U	P	U				
Clayton,NC	Tommy Carter	East									U	P	U
Kinston,NC	Tommy Carter	East				P	U	P		P	U	P	U
Plymouth,NC	Lilian Miranda	East						P	U	P	U		
Stillwater,OK	Steve Moore	West			U		U						
Blackville,SC	Shipe/Fallen	South								P	U	P	U
Clemson,SC	Shipe/Fallen	South						P	U		U		U
Florence,SC	Shipe/Fallen	South							U		U	P	U
Jackson,TN	P. Arelli	South	P	P	U	P	U						
Knoxville,TN	Vincent R. Pantalone	South	P		U		U						
Springfield,TN	Vincent R. Pantalone	South	P		U		U						
Orange,VA	Steve A. Gulick	South	P		U		U						
Suffolk,VA	David Holshouser	East					U						
Warsaw,VA	Buss/Zhang	East	P	P	U	P	U						
TOTAL LOCATIONS PLANTED			10	9	17	9	19	7	13	6	14	7	12
TOTAL LOCATIONS REPORTING DATA			9	9	15	8	16	5	12	5	11	6	10

B. PLANTING DATES – 2013

2013 PLANTING DATES	PIV-S-E	PIV-S-L	PV	PVI	PVII	PVIII	UIV-S	UV	UVI	UVII	UVIII
Belle Mina,AL								5/22	5/22		
Fairhope,AL									6/13	6/13	6/13
Tallassee,AL(A)				6/4	6/4	6/4			6/4	6/4	6/4
Tallassee,AL(B)											7/19
Keiser,AR	6/25	6/25	6/26	6/26			6/25	6/26	6/26		
Stuttgart,AR	5/16	5/16	5/16	5/16			5/16	5/16	5/16		
Athens,GA(A)					5/21	5/21			5/22	5/22	5/22
Athens,GA(B)										6/25	6/25
Calhoun,GA									ND	ND	
Plains,GA					5/29	5/29				5/29	5/29
Tifton,GA									ND	ND	ND
Carbondale,IL	ND	ND					ND				
Valmeyer,IL(SDS)							ND	ND			
McCune,KS		6/13	6/13				6/13	6/13			
Pittsburg,KS		6/12	6/12				6/12	6/12			
Bossier City,LA							4/25	4/25	4/25	5/22	
Portageville,MO(A)							5/13	5/13			
Portageville,MO(B)	6/14	5/27	5/27				6/14	5/27			
Starkville,MS							5/6	5/6			
Stoneville,MS	4/30	4/30	4/30	4/30			4/30	4/30	4/30		
Clayton,NC						6/5				6/5	6/5
Kinston,NC			ND	ND	5/29	5/29		5/29		5/29	5/29
Plymouth,NC				5/21	5/21				5/21	5/21	
Stillwater,OK							ND	ND			
Blackville,SC					ND	ND				ND	ND
Clemson,SC				6/24					6/24	6/24	6/24
Florence,SC						6/28			5/24	6/29	6/30
Jackson,TN	5/15	5/15	5/15				5/15	5/15			
Knoxville,TN	5/16						5/16	5/16			
Springfield,TN	5/14						5/15	5/28			
Orange,VA	5/28						5/28	5/28			
Suffolk,VA								5/10			
Warsaw,VA	5/16	5/16	5/16				5/16	5/16			

ND = No dates reported

C. HARVEST DATES – 2013

2013 HARVEST DATES	PIV-S-E	PIV-S-L	PV	PVI	PVII	PVIII	UIV-S	UV	UVI	UVII	UVIII
Belle Mina,AL								10/15	10/24		
Fairhope,AL									11/5	11/5	11/5
Tallassee,AL(A)				11/12	11/12	11/13			11/12	11/12	11/13
Tallassee,AL(B)											11/13
Keiser,AR	10/30	10/30	11/13	11/13			10/30	11/13	11/14		
Stuttgart,AR	11/11	11/11	11/11	11/11			11/11	11/11	11/11		
Athens,GA(A)					11/5	11/5			10/24	11/6	11/8
Athens,GA(B)										ND	11/8
Calhoun,GA									ND	ND	
Plains,GA					11/11	11/11				11/11	11/11
Tifton,GA									ND	ND	ND
Carbondale,IL	ND	ND					ND				
Valmeyer,IL(SDS)							ND	ND			
McCune,KS		11/13	11/13				11/13	11/13			
Pittsburg,KS		11/4	11/4				11/4	11/4			
Bossier City,LA							9/16	9/17	9/27	11/4	
Portageville,MO(A)							10/10	10/20			
Portageville,MO(B)	10/28	10/24	10/24				10/28	10/24			
Starkville,MS							10/3	10/3			
Stoneville,MS	9/11	9/18	10/19	10/19			9/18	10/19	10/19		
Clayton,NC						11/21				11/21	11/21
Kinston,NC			ND	ND	11/22	11/22		11/5		11/22	11/22
Plymouth,NC				10/31	11/6				10/31	11/6	
Stillwater,OK							ND	ND			
Blackville,SC					ND	ND				ND	ND
Clemson,SC				ND					ND	ND	ND
Florence,SC						11/25			10/31	11/21	11/22
Jackson,TN	10/21	10/21	10/22				10/21	10/22			
Knoxville,TN	ND						10/16	10/16			
Springfield,TN	10/10						10/24	10/25			
Orange,VA	10/29						10/29	11/6			
Suffolk,VA								11/5			
Warsaw,VA	10/24	10/24	11/4				10/24	10/25			
Location Notes											
Athens,GA(B)	poor stands and deer damage										
Kinston,NC	PV,PVI,PVII: flood damage										
Stillwater,OK	no data reported										
Clemson,SC	location flooded after planting										
Blackville,SC	location flooded										
Jackson,TN	SCN count P4SE, P4SL, U4S = 1320 eggs/120 cc soil; P5, U5 = 1160 eggs/120 cc soil										
Knoxville,TN	PIV-S-E: severe flooding										
Knoxville,TN	UV: groundhog damage										
Knoxville,TN	UV: severe greenstem										
Springfield,TN	UV:planting error										

ND = No dates reported

D. AGRONOMIC CHARACTERISTICS OF LOCATIONS – 2013

2013 Locations	SOIL TYPE	Row Spacing	Planted Length	Harvested Length	Trial Bordered	End Trimmed	# Rows Planted	# Rows Harvested	Prior Crop	Irrigated
Belle Mina,AL	Decatur silt loam	30	20	15	No	Yes	4	2	Cotton	No
Fairhope,AL	Malbis fine sandy loam	38	20	18	Yes	Yes	4	2	Cotton	No
Tallassee,AL(A)	Cahaba fine sandy loam	30	16	12	Yes	Yes	4	2	Fallow	No
Tallassee,AL(B)	Cahaba fine sandy loam	30	16	12	Yes	Yes	2	2	Fallow	No
Keiser,AR	Sharkey silty clay	38	15	15	Yes	No	4	2	Corn	Yes
Stuttgart,AR	Crowley silt loam	30	15	15	Yes	No	4	2	Rice	Yes
Athens,GA(A)	Appling coarse sandy loam, Cecil coarse sandy loam	30	20	12	Yes	Yes	4	2	Grain Sorghum, Cotton, Fallow	Yes
Athens,GA(B)	Appling coarse sand loam	30	20	12	Yes	Yes	4	2	Grain sorghum	Yes
Calhoun,GA	Rome gravelly clay loam	30	20	16	Yes	Yes	4	2	Corn	Yes
Plains,GA	Greenville sandy clay loam	30	20	10	Yes	Yes	4	2	Cotton	Yes
Tifton,GA	Tifton sandy loam	30	20	16	Yes	Yes	4	2	Corn	Yes
Carbondale,IL	Hoyleton	30	15	15	Yes	No	4	2	Corn	No
Valmeyer,IL(SDS)	Bonnie silt loam	30	15	15	Yes	No	4	2	Corn	No
McCune,KS	Parsons silt loam	30	11	11	Yes	No	4	2	Corn	Yes
Pittsburg,KS	Parsons silt loam	30	11	11	Yes	No	4	2	Corn	No
Bossier City,LA	Caplis very fine sandy loam	40	28	20	Yes	Yes	4	2	Cotton	Yes
Portageville,MO(A)	Dundee silt loam	30	12	12	Yes	No	4	2	Soybean	Yes
Portageville,MO(B)	Sharkey clay	30	12	12	Yes	No	4	2	Soybean	Yes
Starkville,MS	Brooksville silty clay	18	20	15	Yes	Yes	3	3	Corn	No
Stoneville,MS	Sharkey clay	24	18.5	16	Yes	Yes	5	3	Soybean	Yes
Clayton,NC	Norfolk sandy loam	38	18	15	Yes	Yes	3	1	Cotton	Yes
Kinston,NC	Stallings loamy sand	38	18	15	Yes	Yes	3	1	Corn	No
Plymouth,NC	Portsmouth silt loam	38	19	15	Yes	Yes	3	1	Corn	No
Stillwater,OK	Not reported	30	44	42	Yes	Yes	4	2	Corn	No
Blackville,SC	Grady Fine Sandy Loam	38	20	12	Yes	Yes	4	2	Soybeans	Yes
Florence,SC	Sandy Loam	30	25&20	15&14	Yes	Yes	4	2	Wheat/Sorghum	Yes
Clemson,SC	Cartecay fine sandy loam	38	20	12	Yes	Yes	4	2	Soybean	No
Jackson,TN	Vicksburg silt loam/ Vicksburg fine sandy loam	30	18	18	Yes	No	4	2	Soybeans	No
Knoxville,TN	Sequatchie silt loam*	30	20	16	Yes	Yes	4	2	Corn	No
Springfield,TN	Mountview Silt Loam	30	25	16	No	No	4	2	Corn	Yes
Orange,VA	Davidson	21	16	12	Yes	Yes	3	3	Corn	No
Suffolk,VA	Dragston fsl / Eunola lfs	15	24	17	Yes	Yes	5	3	Corn	No
Warsaw,VA	Kempsville loam	30	18	12	Yes	Yes	4	2	small grains	No

E. WEATHER STATION URL

Location	Weather Station URL	Notes
Belle Mina, AL	national weather service	
Fairhope, AL	national weather service	
Tallassee, AL(A)	not reported	
Tallassee, AL(B)	not reported	
Pine Tree, AR	N/A	
Rohwer, AR	http://www.aragriculture.org/weather/default.asp	
Georgetown, DE	http://www.rec.udel.edu/TopLevel/Weather.htm	
Athens, GA (A)	http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GAWP	
Athens, GA (B)	http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GAWP	
Calhoun, GA	http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GACA	
Plains, GA	http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GAPL	
Tifton, GA	http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GATI	
Ullin, IL	none	
McCune, KS	http://www.oznet.ksu.edu/wdl/	
Pittsburg, KS	http://www.oznet.ksu.edu/wdl/	
Princeton, KY	http://www.nass.usda.gov/Statistics_by_State/Kentucky/Publications/Agri-News/oct226.pdf	
Alexandria, LA	www.lsuagcenter.com/weather	
Bossier City, LA	www.lsuagcenter.com/weather/taledata.asp	
Queenstown, MD	none	
Portageville, MO(A)	http://agebb.missouri.edu/weather/realtime/portageville.asp	
Portageville, MO(B)	http://agebb.missouri.edu/weather/realtime/portageville.asp	
Starkville, MS	http://www.deltaweather.msstate.edu/	
Stoneville, MS	http://www.deltaweather.msstate.edu/	Stoneville is at the end of the list of weather stations.
Jackson Springs, NC	http://www.nc-climate.ncsu.edu/cronos/index.php?station=JACK&temporal=daily	Sandhills Station, NC (Jackson Springs)
Kinston, NC	http://www.nc-climate.ncsu.edu/cronos/index.php?station=314689&temporal=D	Kinston, NC
Plymouth, NC(A)	http://www.nc-climate.ncsu.edu/cronos/?station=PLYM	Tidewater Research Station
Plymouth, NC(B)	http://www.nc-climate.ncsu.edu/cronos/?station=PLYM	Tidewater Research Station
Bixby, OK	www.mesonet.ou.edu	
Stillwater, OK	www.mesonet.ou.edu	
Blackville, SC(A)	http://www.ncdc.noaa.gov/crn/	
Blackville, SC(B)	http://www.ncdc.noaa.gov/crn/	
Clemson, SC	http://www.wunderground.com/weatherstation/WXDailyHistory.asp?ID=KSCCLEMS1&graphspan=month&month=6&day=1&year=2007	
Florence, SC	not reported	
Jackson, TN	None on the web	
Knoxville, TN	www.ncdc.noaa.gov	Look on left menu for "Find a Station" for Knoxville Experiment Station
Springfield, TN	not reported	
Bardwell, TX	not reported	
Cooper, TX	not reported	
Orange, VA	not reported	
Petersburg, VA	http://www.accuweather.com/forecast-climo.asp?partner=30371&traveler=0&zipChq=1&zipcode=23841&metric=0	This only has the past two months of data
Suffolk, VA	not reported	
Warsaw, VA	http://www.ext.vt.edu/cgi-bin/WebObjects/Mesonet.woa/wa/lookupCoordinate?472,102	EVAREC is location name

METHODS

CULTURAL PRACTICES

Please see Soybean Nursery Information – Tables A, B, C, D, and E for details on locations including contacts, row spacing, plot dimensions, end trimming, planting dates, harvest dates, crop rotation and weather station URLs. The uniform tests were planted with three (3) replications and the preliminary tests were planted with two (2) replications except three replications were planted for PVII and PVIII.

MATURITY, HARVEST, AND YIELD

Height. Height in a plot was measured as the average length of plants in inches from the ground to the top extremity at maturity.

Lodging. Lodging notes were recorded on a scale of 1 to 5 according to the following criteria:

- 1 - almost all plants erect
- 2 - either all plants leaning slightly, or a few plants down
- 3 - either all plants leaning moderately, or 25 to 50% of the plants down
- 4 - either all plants leaning considerably, or 50 to 80% of the plants down
- 5 - all plants down

Maturity. Maturity was recorded as the date when 95% of the pods had reached mature pod color (Fehr and Caviness, 1977). Maturity in all summaries is expressed as days earlier (-) or later (+) than the reference variety. Reference varieties used in the different maturity groups were as follows: UIV-S - 5002T; PIV-S (E) - AG 4232; PIV-S (L) - 5002T; UV and PV – Osage; UVI and PVI - DILLON; UVII and PVII – G06-318RR; and UVIII and PVIII – AGS828RR.

Yield. Please see Agronomic Characteristics of Locations for information on end trimming and which rows were harvested for yield data at each location. Actual seed weights were recorded after the seed of the strains had reached uniform moisture content or seed weight at harvest was adjusted to a 13% moisture content. Seed weights were converted to bushels per acre (60 lbs./bu.) by using the appropriate conversion factor for each location with respect to harvested plot size.

Seed Quality. Seed quality was rated from 1 to 5 according to the following scale:

- 1 - very good; 2 - good; 3 - fair; 4 - poor; 5 - very poor

Factors considered in estimating seed quality were development of seed, wrinkling damage, and brightness. While the seed quality score indicates relative appearance of seed for strains at one location, considerable differences can exist among factors responsible for the poorer grades at different locations. Seed size for each strain was determined from a composite sample from all replications at a location. Seed size is reported as grams per 100 seed.

Oil and Protein. Oil and protein percentages were determined from representative locations of the uniform and preliminary tests. A 25-30-g composite sample of each strain from all replications at a location was sent to the USDA-ARS, National Center for Agricultural Utilization Research, Bio-Oils Research Unit at Peoria, Illinois for analysis. Please note that the analysis was performed by a different Research Unit than in 2011 and prior years. One sample of 40-50 ml of seed was analyzed using 10 subsamples (10 readings on the sample) for protein and oil composition with a Foss Infratec 1241 Grain Analyzer. Analysis of the seed was conducted on an as is basis and then mathematically converted to a moisture-free basis for reporting.

PEST ASSESSMENT

Soybean Mosaic Virus (SMV). Thirty seeds of each entry are planted in a single three-foot row in the field at Blacksburg, VA. Inoculation is done 3 to 4 weeks later using SMV strain G1. Inoculation method is described in Ma et. al. 1995. Counts of resistant and susceptible plants are taken about 4 weeks after inoculation. 'Lee 68' and 'York' were susceptible and resistant controls, respectively. Lines were rated as follows.

R = resistant

Sus = susceptible

Seg = segregating for susceptibility and resistance

Sev = severe SMV susceptibility

Mild = mild SMV susceptibility

Few = few plants in row.

Generally any line that displays a severe reaction may suffer yield loss under disease pressure in commercial plantings. Lines described as resistant showed no virus symptoms. **NOTE: No results were reported in 2013 due to personnel changes.**

Root-knot Nematode. Screenings of strains of UIV-S - UVIII were conducted in a greenhouse at the University of Georgia.

Three seeds of each genotype were planted in Ray Leach Cone-tainers (20.6 cm long) filled with fumigated sandy loam soil to within 5 cm of the top and then covered with 2.5 cm of fumigated sand. Ten Cone-tainers each of a susceptible and resistant standard cultivar were included in each test. Forty-nine Cone-tainers were placed in a RL-98 tray, filling every other row of the tray. The trays (45) were placed on a greenhouse bench under supplemental light provided by 400-watt metal halide lamps and under an automatic irrigation system. Seven to 10 days after planting, plants were thinned to one seedling per Cone-tainer and inoculated with 3000 root-knot nematode eggs collected with 0.5% NaOCL (10% Clorox). The inoculum (3-5 ml depending on egg concentration) was placed with a digital dispensing pump in a soil at a depth of 2-3 cm. Plants were watered manually for 1-2 days following inoculation before turning on the automatic irrigation system. All plants were fertilized weekly with 20-20-20 (N = 20%, P = 8.7%, K = 16.6%) fertilizer solution.

Thirty days after inoculation, roots of two of the standard check plants were examined for galls to assess whether to begin the process of evaluating the entire test. For evaluation, shoots were excised and root systems removed from the Cone-tainers and washed free of soil. For screening advanced breeding lines, the total number of galls per root system was counted. For all other studies, the number of galls on the remainder of the susceptible and resistant check plants was used to develop a gall index for evaluating the genotypes. The gall indexes (based on the number of galls/plant) were as follows: *Meloidogyne incognita* (SRK): 1 = 0-10, 2 = 11-20, 3 = 21-30, 4 = 31-40, and 5 = 41+ galls; *M. arenaria* (PRK): 1 = 0-30, 2 = 31-60, 3 = 61-90, 4 = 91-120, and 5 = 121+ galls.

Soybean Cyst Nematode (SCN). Screening for plant reaction to SCN was conducted in the greenhouse at Jackson, TN in 2013. Screening for SCN was done with HG Type 1.2.5.7 (race 2), HG Type 5.7 (race 3), and HG Type 2.5.7 (race 5). One seed of each soybean entry (UIV-S - UVIII and PIV-S - PVIII) was planted in sterile soil mix with 7 replications per each SCN population. At the time of planting, 2500 eggs of the population being evaluated were added to each pot. Approximately four weeks after planting, plants were rated based on the number of cysts on the roots. The ratings were as follows: 1 = 0-5 cysts on the root, 2=6-10 cysts on the root, 3=11-20 cysts on the root, 4=21-40 cysts on the root, and 5=> 40 cysts on the root. The 7 replications were averaged and if there were less than 4 plants to rate, the screening was repeated and the data was not shown if there were less than 4 plants for the rating. The mean rating = (rating category x number of plants receiving rating)/total number of plants in that comparison.

In 2013 the HG Type of the populations was as follows: HG Type 1.2.5.7 (race 2), HG Type 5.7 (race 3), and HG Type 2.5.7 (race 5). Williams 82 was used as the standard susceptible due to germination and lack of vigor issues with PI

548658 although PI 548658 was included in all tests. The standard index lines were included in every test to confirm characterization. For race 2, Williams 82 had an average of 316 cysts per test. The female index for the cultures were as follows: Pickett FI 55(%), PI 548402 FI 14(%), PI 88788 FI 71(%), PI 90763 FI <1(%), PI 437654 FI <1(%), PI 209332 FI 68(%), PI 89772 FI 1(%), and PI 548316 FI 41(%). For race 3, Williams 82 had an average of 274 cysts per test. The female index for the cultures were as follows: Pickett FI 5(%), PI 548402 FI 2(%), PI 88788 FI 16(%), PI 90763 FI <1(%), PI 437654 FI 0(%), PI 209332 FI 76(%), PI 89772 FI <1(%), and PI 548316 FI 43(%). For race 5, Williams 82 had an average of 302 cysts per test. The female index for the cultures were as follows: Pickett FI 48(%), PI 548402 FI 2(%), PI 88788 FI 27(%), PI 90763 FI <1(%), PI 437654 FI 0(%), PI 209332 FI 56(%), PI 89772 FI <1(%), and PI 548316 FI 49(%).

Stem Canker. Strains from all tests were evaluated at the Delta Research and Extension Center, Stoneville, Mississippi. Strains were planted in single-row plots 1.8 m long. Inoculum was produced by aseptically culturing isolates. Autoclaved toothpicks were acquired from Gabriel L. Sciumbato, using the same fungus strains and techniques used in the 2013 Mississippi State variety trials. Twelve plants per plot were inoculated by forcing a toothpick through the stem in the upper one-third of the plant. Stem canker lesion development was observed and noted every 2 weeks beginning with initial signs of disease on the susceptible checks. Final ratings were determined when the susceptible checks had been killed by the disease, or the plot was near maturity. Plants having any external lesion were rated as susceptible.

R = resistant. No plants exhibited external lesions and no leaf damage.

S = susceptible

SS = segregating for susceptible and resistant plants

MS = moderate susceptible

MR = moderately resistant. A few plants showed minor leaf symptoms

Sudden Death Syndrome (SDS). SDS was evaluated for UIV-S and UV at Valmeyer, Illinois in two plots 10 feet long. Disease incidence (DI), the % of plant exhibiting symptoms, was recorded between growth stages R5.8 and R6.4, along with disease severity (DS), which was scored on a 1-9 scale with 1 = mild chlorosis, 5 = severe leaf scorch, and 9 = premature death of plant. Disease index (DX) was then calculated as $(DI \times DS)/9$. DX is reported. The DX for UIV-S susceptible checks CM497 and SS03-13390, and the resistant check Pharaoh respectively, were 67 and 73, and 25. The DX for the UV susceptible checks DP 105 and 850RR, and the resistant check LS05-6521 respectively, were 59, 64, and 28.

STATISTICAL ANALYSES

Yield, maturity, height, lodging and quality data for each test were analyzed by location by analysis of variance using a mixed model (Proc Mixed in SAS) with variety as the fixed effect and replication as random. Coefficient of variation (CV) and LSD ($\alpha = 0.05$) were calculated from the Proc Mixed output for yield. LSmeans are presented when multiple replications of data were available. Any location that does not have at least two replications of yield data is not included in the yield analysis. In the cases when only 1 rep of data was provided for variables other than yield, the actual values for that rep were presented.

Yield, maturity, height, lodging and quality for each test were analyzed by area for the uniform tests by analysis of variance using a mixed model (Proc Mixed in SAS) with variety as a fixed effect and location rep(location) location*variety; as random effects. Coefficient of variation (CV) and LSD ($\alpha = 0.05$) were calculated from the Proc Mixed output. The location means are presented for areas that only have data from one location. Yield data from locations with a yield CV of over 15 were omitted from area means.

Yield, maturity, height, lodging and quality for each test were analyzed over all locations for the uniform tests and the preliminary tests by analysis of variance using a mixed model (Proc Mixed in SAS) with variety as a fixed effect and location rep(location) location*variety as random effects. Coefficient of variation (CV) and LSD ($\alpha = 0.05$) were calculated from the Proc Mixed output. Yield data from locations with a yield CV of over 15 were omitted from test means and ranks.

The protein and oil data for a variety/strain at a location is the NIR analysis results from one composite sample of all replications at the location. Size data is collected either for all replications, or as a composite sample, so arithmetic means or composite sample NIR results are presented. Protein, oil and size were analyzed by test by analysis of variance using a mixed model (Proc Mixed in SAS) with variety as a fixed effect and location; as a random effect. Coefficient of variation (CV) and average LSD ($\alpha = 0.05$) were calculated from the Proc Mixed output. LSmeans are presented for the test means.

The Rank column in the general summary tables indicated the relative ranking of the yield based on the average performance of a line across locations. Locations with a high yield CV value are not included in Rank calculations.

The Average Rank column in the general summary tables indicates the yield rank of a line based on the average of a line's rank at each individual location. Locations with a high yield CV value are not included in Average Rank calculations.

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TABLE 1 - PARENTAGE OF STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2013

	STRAIN/VARIETY	PARENTAGE	Fn	SPECIAL TRAITS
1	5002T	Holladay X Manokin		
2	AG 4632RR2Y	Commercial check		
3	DK 4866	Commercial check		
4	AG 4907	Commercial check		
5	DS25-1	DT98-9102xPI587982A	F5	HIGH GERM
6	JTN-4607	LS94-3207 X S95-1908	F14	SCN
7	R08-527	UA 4805 x 5002T	F4	
8	R09-1589	5002T x R01-4752	F5	
9	R09-1970	R00-1076 x S99-2281	F5	
10	R09-430	BA 743303 x R00-684	F5	
11	R09-4571	DP4748 x S01-9794	F5	
12	S08-9942RR	R00-1194F X S03-383RR	F5	RR1
13	S09-9943	S04-10364 x LG04-5196	F5	DIV,STS,CONV
14	S09-10871	S04-10364 x S04-12412	F5	SCN,CONV
15	S10-2635RR	S06-7084 x RR2-6851	F5	RR2
16	S10-10368	S04-8882 X S05-11400	F5	SCN,CONV
17	TN09- 47,169	TN02-226 x MON RR2Y		RR2Y
18	TN11-4513	TN02-226 x MON RR2Y		RR2Y
19	VS22-465	VS95-50 X VS94-17	F9	

**TABLE 2 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY
GROWN IN UNIFORM TEST IV-S FOR YEAR 2013**

STRAIN/ VARIETY	AVERAGE		YIELD_‡			PROTEIN			OIL		
	RANK	RANK	2013	12-13	11-13	2013	12-13	11-13	2013	12-13	11-13
5002T	6	9	59.1	58.9	55.4	41.1	40.5	40.4	22.8	22.8	22.5
AG 4632RR2Y	2	7	62.9	63.5	.	39.8	39.6	.	22.7	22.6	.
DK 4866	3	8	59.2	60.9	57.5	40.6	40.3	40.0	22.0	22.0	21.8
AG 4907	9	8	58.6	60.6	57.4	40.7	40.7	40.5	22.5	22.3	22.0
DS25-1	19	17	48.7	.	.	41.6	.	.	20.2	.	.
JTN-4607	14	11	55.4	55.5	52.8	42.1	41.8	41.6	22.1	22.0	21.7
R08-527	15	12	55.3	.	.	41.7	.	.	22.1	.	.
R09-1589	4	8	59.2	.	.	39.2	.	.	22.4	.	.
R09-1970	12	11	56.5	.	.	42.2	.	.	21.1	.	.
R09-430	1	4	63.5	64.3	.	42.1	41.9	.	23.0	22.7	.
R09-4571	11	12	56.7	.	.	41.5	.	.	22.4	.	.
S08-9942RR	7	10	59.1	.	.	39.9	.	.	23.4	.	.
S09-9943	5	9	59.1	.	.	41.8	.	.	22.1	.	.
S09-10871	10	9	57.6	60.7	.	42.1	41.9	.	21.7	21.6	.
S10-2635RR	8	9	59.0	.	.	42.8	.	.	22.3	.	.
S10-10368	16	11	54.4	.	.	40.4	.	.	22.9	.	.
TN09- 47,169	17	12	54.2	.	.	41.0	.	.	21.8	.	.
TN11-4513	18	13	54.1	.	.	41.2	.	.	22.4	.	.
VS22-465	13	10	55.4	.	.	40.7	.	.	22.5	.	.
Mean	.	.	57.3	.	.	41.2	.	.	22.2	.	.
LSD(0.05)	.	.	4.4	.	.	0.7	.	.	0.4	.	.
CV(%)	.	.	12.6	.	.	1.7	.	.	1.9	.	.

‡Data not included in mean: 2013 – Orange, VA; Starkville, MS
2012 – Jackson, TN; Starkville, MS
2011 – Stuttgart, AR; Knoxville, TN; Orange, VA

**TABLE 3 - GENERAL SUMMARY OF BOTANICAL TRAITS FOR STRAIN/VARIETY
GROWN IN UNIFORM TEST IV-S FOR YEAR 2013**

STRAIN/ VARIETY	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	FL. COLOR	PUB. COLOR	POD COLOR
5002T	0	1.7	26	1.8	15.7	W	T	T
AG 4632RR2Y	-5	1.6	35	2.2	15.7	P	G	BR
DK 4866	-3	1.5	35	2.3	15.3	P	G	BR
AG 4907	-2	1.6	38	2.4	14.4	P	G	BR
DS25-1	-1	2.9	40	2.1	12.2	W	G	T
JTN-4607	-2	2.0	31	2.0	14.9	W	T	
R08-527	0	1.7	29	2.0	13.9	P	G	T
R09-1589	1	1.5	30	1.9	15.5	P	T	T
R09-1970	1	2.3	32	1.8	13.7	W	G	T
R09-430	1	1.6	28	1.8	14.5	P	G	T
R09-4571	-4	1.7	37	2.2	16.5	P	T	T
S08-9942RR	-1	1.7	38	2.2	14.3	P	T	
S09-9943	-5	1.6	32	2.2	17.2	W	T	
S09-10871	-4	1.4	31	2.1	16.5	W	T	
S10-2635RR	-8	2.0	37	2.2	15.0	P	G	
S10-10368	1	2.9	37	2.2	13.9	W	G	
TN09- 47,169	0	1.5	29	2.0	14.9	P	G	
TN11-4513	-2	1.2	28	1.9	14.1	P	T	
VS22-465	9	1.6	33	2.4	14.9	P	G	
Mean	-1	1.8	33	2.1	14.9			
LSD(0.05)	3	0.4	2	0.4	1.0			
CV(%)	327	37.0	12	31.0	8.3			

**TABLE 4 - GENERAL SUMMARY OF PEST REACTION FOR STRAIN/VARIETY
GROWN IN UNIFORM TEST IV-S FOR YEAR 2013**

STRAIN/ VARIETY	SCN HG TYPE	SCN HG TYPE	SCN HG TYPE	PRK	SRK	SC	SC	SDS
	1.2.5.7 Race 2	5.7 Race 3	2.5.7 Race 5	GA	GA	RATING	SCORE	DX
5002T	5	5	4	3.0	4.8	3.0	SS	13
AG 4632RR2Y	4	3	5	5.0	5.0	3.0	SS	50
DK 4866	5	4	5	3.5	5.0	1.0	R	33
AG 4907	5	2	4	4.3	5.0	1.0	R	48
DS25-1	5	5	5	3.8	5.0	4.0	MS	36
JTN-4607	1	1	1	4.5	3.5	3.0	SS	41
R08-527	4	4	5	4.0	5.0	1.0	R	31
R09-1589	4	3	5	3.5	5.0	3.0	SS	36
R09-1970	2	1	2	4.0	5.0	3.0	SS	31
R09-430	5	3	5	5.0	1.3	1.0	R	31
R09-4571	5	3	5	4.3	5.0	1.0	R	47
S08-9942RR	5	3	5	5.0	4.3	1.0	R	34
S09-9943	5	4	5	4.8	2.5	1.0	R	2
S09-10871	5	3	5	4.3	2.0	1.0	R	19
S10-2635RR	5	4	5	4.5	5.0	1.0	R	31
S10-10368	1	1	1	5.0	2.8	5.0	S	44
TN09- 47,169	3	3	2	2.5	5.0	4.0	MS	31
TN11-4513	5	3	5	3.8	5.0	3.0	SS	33
VS22-465	5	3	5	3.0	5.0	1.0	R	44

TABLE 5 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST IV-S FOR YEAR 2013

Delta

STRAIN/ VARIETY	Keiser, AR	Portageville, MO(A)	Portageville, MO(B)	Stoneville, MS	Stuttgart, AR	Area Mean
5002T	66.1	66.1	58.7	67.0	62.4	64.0
AG 4632RR2Y	64.6	71.5	60.2	80.4	64.7	68.3
DK 4866	58.8	66.8	56.2	67.8	66.7	63.2
AG 4907	68.5	65.3	53.3	63.1	61.3	62.3
DS25-1	57.6	47.3	55.8	45.9	58.2	53.0
JTN-4607	59.6	58.4	54.8	51.2	65.7	57.9
R08-527	63.4	62.7	59.7	60.7	55.6	60.4
R09-1589	73.6	60.8	63.4	56.5	72.6	65.4
R09-1970	66.0	63.1	55.6	60.5	75.0	64.1
R09-430	70.1	63.3	66.5	66.3	75.2	68.3
R09-4571	64.5	56.8	56.6	65.1	54.9	59.6
S08-9942RR	60.8	67.0	54.8	62.0	62.3	61.4
S09-9943	69.2	67.6	60.3	72.4	62.0	66.3
S09-10871	66.8	69.0	61.9	50.0	65.4	62.6
S10-2635RR	63.9	61.2	63.3	64.3	57.8	62.1
S10-10368	71.8	55.1	61.8	46.1	55.8	58.1
TN09- 47,169	65.1	61.6	58.2	43.0	60.1	57.6
TN11-4513	62.6	65.4	50.7	41.5	62.4	56.5
VS22-465	66.8	51.5	63.9	40.7	70.3	58.6
Mean	65.3	62.1	58.7	58.1	63.6	61.6
LSD(0.05)	6.7	7.5	8.0	11.7	10.1	7.9
CV(%)	6.2	7.3	8.2	12.2	9.6	12.5

TABLE 5 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST IV-S FOR YEAR 2013

East

STRAIN/ VARIETY	Warsaw, VA	Area Mean
5002T	76.6	76.6
AG 4632RR2Y	77.6	77.6
DK 4866	69.5	69.5
AG 4907	74.5	74.5
DS25-1	55.9	55.9
JTN-4607	72.0	72.0
R08-527	67.3	67.3
R09-1589	69.9	69.9
R09-1970	67.8	67.8
R09-430	76.9	76.9
R09-4571	71.2	71.2
S08-9942RR	65.8	65.8
S09-9943	66.6	66.6
S09-10871	67.3	67.3
S10-2635RR	73.2	73.2
S10-10368	58.7	58.7
TN09- 47,169	72.0	72.0
TN11-4513	67.3	67.3
VS22-465	66.4	66.4
Mean	69.3	69.3
LSD(0.05)	6.9	6.9
CV(%)	6.0	6.0

TABLE 5 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST IV-S FOR YEAR 2013

South

STRAIN/ VARIETY	Carbondale, IL	Jackson, TN	Knoxville, TN	Orange, ‡ VA	Springfield, TN	Starkville, ‡ MS	Area Mean
5002T	66.5	70.3	44.4	19.9	63.7	41.9	61.2
AG 4632RR2Y	66.4	72.5	63.2	19.9	62.9	43.0	66.3
DK 4866	66.7	60.9	55.1	20.4	64.3	40.8	61.7
AG 4907	66.9	64.9	58.0	19.8	67.2	40.3	64.3
DS25-1	64.4	50.3	33.9	18.6	48.1	43.4	49.2
JTN-4607	66.9	64.7	55.7	20.2	57.4	39.6	61.2
R08-527	66.9	59.5	44.3	20.7	59.8	44.7	57.6
R09-1589	66.6	55.8	51.9	16.9	59.7	43.6	58.5
R09-1970	67.0	61.8	39.0	24.6	55.0	56.5	55.4
R09-430	67.3	62.3	61.4	25.5	70.0	52.4	65.3
R09-4571	66.4	58.3	53.4	21.4	58.0	43.6	59.0
S08-9942RR	66.5	66.6	54.5	21.4	54.8	40.2	60.6
S09-9943	66.1	64.7	55.1	21.9	59.0	35.5	61.2
S09-10871	66.8	64.3	49.2	18.9	50.8	45.5	57.8
S10-2635RR	66.1	68.0	54.4	18.2	61.9	44.4	62.6
S10-10368	67.1	53.7	46.3	23.6	48.3	39.2	53.9
TN09- 47,169	66.5	54.7	53.6	23.3	48.5	39.5	56.0
TN11-4513	66.9	54.8	51.1	21.9	54.6	33.4	56.9
VS22-465	66.8	49.4	50.3	12.0	59.2	35.0	56.4
Mean	66.6	60.9	51.3	20.5	58.1	42.2	59.2
LSD(0.05)	1.4	9.3	11.0	6.0	12.1	13.4	6.6
CV(%)	1.3	9.0	12.9	17.9	12.6	19.2	11.1

‡Data not included in mean.

TABLE 5 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST IV-S FOR YEAR 2013

West

STRAIN/ VARIETY	Bossier City, LA	McCune, KS	Pittsburg, KS	Area Mean
5002T	48.7	48.4	29.1	42.1
AG 4632RR2Y	58.9	47.1	27.4	44.5
DK 4866	61.1	53.2	23.1	45.8
AG 4907	58.6	31.7	28.3	39.6
DS25-1	40.0	52.8	22.4	38.4
JTN-4607	49.9	32.9	30.7	37.8
R08-527	50.1	43.7	25.2	39.7
R09-1589	56.5	54.6	27.3	46.1
R09-1970	46.8	49.0	28.5	41.4
R09-430	54.6	59.4	32.2	48.7
R09-4571	59.6	52.2	20.2	44.0
S08-9942RR	68.7	57.3	26.6	50.9
S09-9943	54.1	53.2	18.6	42.0
S09-10871	64.2	50.4	22.5	45.7
S10-2635RR	54.8	49.7	28.3	44.3
S10-10368	52.3	54.8	34.8	47.3
TN09- 47,169	37.8	53.5	29.9	40.4
TN11-4513	49.8	47.5	29.3	42.2
VS22-465	50.2	53.8	30.6	45.1
Mean	53.5	49.7	27.1	43.5
LSD(0.05)	13.0	8.1	4.2	11.1
CV(%)	14.4	9.9	9.4	18.6

**TABLE 6 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN
UNIFORM GROUP IV-S FOR YEAR 2013**

STRAIN/ VARIETY	Jackson, TN	Knoxville, TN	McCune, KS	Orange, VA	Portageville, MO(A)	Stoneville, MS	Stuttgart, AR	Warsaw, VA	Test Mean
5002T	23.4	23.5	22.2	20.1	22.9	24.4	23.6	22.5	22.8
AG 4632RR2Y	23.3	23.8	21.8	20.4	23.5	23.1	23.4	22.4	22.7
DK 4866	22.7	22.5	21.2	19.9	22.5	23.1	23.0	21.4	22.0
AG 4907	23.2	23.1	21.5	20.6	22.8	23.2	23.6	22.2	22.5
DS25-1	20.8	20.9	19.0	19.1	20.7	20.4	21.3	19.6	20.2
JTN-4607	22.1	22.7	21.5	19.5	22.5	23.2	23.3	21.9	22.1
R08-527	22.7	23.1	21.5	19.8	22.6	22.7	22.7	22.1	22.2
R09-1589	23.1	22.8	21.9	19.6	22.7	23.7	23.1	22.2	22.4
R09-1970	21.5	21.6	19.7	19.6	21.7	22.4	21.5	20.4	21.1
R09-430	23.3	23.8	22.7	21.1	22.5	23.8	23.4	23.0	23.0
R09-4571	23.0	23.1	21.6	21.1	22.3	23.4	23.2	21.8	22.4
S08-9942RR	24.3	24.2	22.9	20.9	24.1	24.2	24.4	22.5	23.4
S09-9943	22.8	22.8	21.6	19.3	22.4	23.1	22.7	21.8	22.1
S09-10871	22.3	22.4	21.4	18.1	21.8	23.0	23.2	21.0	21.7
S10-2635RR	22.8	23.3	21.2	19.8	22.6	23.4	22.8	22.4	22.3
S10-10368	23.4	23.3	21.9	21.3	23.2	23.7	24.0	22.0	22.9
TN09- 47,169	22.0	22.0	21.8	20.7	21.8	22.5	22.9	21.0	21.8
TN11-4513	22.9	23.0	21.7	21.2	22.5	23.4	22.5	21.6	22.4
VS22-465	22.1	23.1	22.4	.	22.0	22.6	22.9	22.3	22.2
Mean	22.7	22.9	21.6	20.1	22.5	23.1	23.0	21.8	.

**TABLE 7 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN
UNIFORM GROUP IV-S FOR YEAR 2013**

STRAIN/ VARIETY	Jackson, TN	Knoxville, TN	McCune, KS	Orange, VA	Portageville, MO(A)	Stoneville, MS	Stuttgart, AR	Warsaw, VA	Test Mean
5002T	41.5	41.7	40.4	40.4	42.0	40.0	41.4	41.0	41.1
AG 4632RR2Y	38.5	38.8	40.9	40.1	39.0	38.8	40.9	41.4	39.8
DK 4866	39.9	40.1	40.6	40.9	40.4	39.7	41.3	41.6	40.6
AG 4907	40.5	40.1	42.1	39.7	41.5	39.1	41.4	41.5	40.7
DS25-1	41.6	41.6	41.7	39.8	41.9	41.9	42.4	41.9	41.6
JTN-4607	42.2	42.2	41.6	41.8	42.9	41.4	42.6	42.0	42.1
R08-527	42.1	41.8	42.1	39.1	42.3	41.0	43.2	41.6	41.7
R09-1589	38.9	40.3	38.9	38.6	39.3	37.9	40.6	39.4	39.2
R09-1970	42.0	43.1	42.6	41.0	42.3	40.5	43.3	43.0	42.2
R09-430	41.6	43.2	41.2	41.5	42.9	41.5	42.5	42.0	42.1
R09-4571	41.6	40.5	42.1	41.8	42.4	40.0	41.3	42.5	41.5
S08-9942RR	39.4	38.8	39.6	40.0	39.6	38.4	41.4	41.6	39.9
S09-9943	41.6	40.9	42.0	42.1	41.8	39.9	42.5	43.5	41.8
S09-10871	42.4	41.2	42.6	42.3	43.1	40.6	41.5	43.2	42.1
S10-2635RR	42.3	42.8	44.1	43.4	42.4	40.4	43.5	43.3	42.8
S10-10368	39.9	40.3	41.4	38.8	41.1	39.5	41.1	41.1	40.4
TN09- 47,169	41.1	41.3	39.5	39.6	41.9	41.0	41.6	41.9	41.0
TN11-4513	40.8	40.1	41.8	40.0	41.6	40.7	42.3	42.2	41.2
VS22-465	40.9	40.1	40.7	.	41.5	39.6	41.1	40.8	40.6
Mean	41.0	41.0	41.4	40.6	41.6	40.1	41.9	41.9	.

TABLE 8 - SIZE (GRAMS PER 100 SEED) FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2013

STRAIN/ VARIETY	Bossier City, LA	Carbondale, IL	Jackson, TN	Keiser, AR	Knoxville, TN	McCune, KS	Orange, VA	Pittsburg, KS	Portageville, MO(A)	Portageville, MO(B)	Springfield, TN	Starkville, MS	Stoneville, MS	Stuttgart, AR	Warsaw, VA	Test Mean
5002T	15.1	12.1	17.6	.	15.8	16.0	15.9	.	15.7	15.7	.	.	14.4	18.3	15.9	15.7
AG 4632RR2Y	15.3	13.5	16.1	.	15.4	18.7	16.8	.	15.7	14.3	.	.	14.6	16.5	15.9	15.7
DK 4866	16.4	13.9	15.2	.	14.8	17.0	15.3	.	15.5	14.7	.	.	14.7	16.3	14.9	15.3
AG 4907	11.3	12.5	15.0	.	14.0	18.1	14.5	.	15.2	14.7	.	.	13.3	15.6	14.4	14.4
DS25-1	9.7	14.1	11.9	.	11.6	12.8	12.3	.	12.2	14.0	.	.	10.9	12.3	11.9	12.2
JTN-4607	14.0	13.7	14.8	.	14.1	16.0	15.8	.	14.6	15.6	.	.	14.9	14.8	15.7	14.9
R08-527	10.9	13.7	13.6	.	13.0	14.2	15.7	.	14.2	13.9	.	.	14.2	16.6	12.6	13.9
R09-1589	14.8	13.2	13.9	.	15.4	17.5	15.0	.	14.2	16.9	.	.	15.7	19.9	14.3	15.5
R09-1970	13.9	12.8	13.2	.	13.8	13.2	12.7	.	13.2	15.0	.	.	14.1	15.7	13.4	13.7
R09-430	12.5	15.0	13.4	.	14.3	16.8	13.8	.	13.6	17.2	.	.	12.4	16.6	14.1	14.5
R09-4571	15.4	14.1	18.1	.	14.8	19.9	16.6	.	16.4	15.9	.	.	15.9	18.3	16.6	16.5
S08-9942RR	16.1	14.3	14.2	.	12.6	15.9	16.4	.	14.0	14.3	.	.	12.6	13.5	12.9	14.3
S09-9943	14.9	13.5	17.9	.	16.5	20.7	17.5	.	17.6	16.5	.	.	17.1	19.4	17.2	17.2
S09-10871	11.7	12.8	19.5	.	16.4	19.6	16.8	.	19.1	16.1	.	.	16.2	17.0	16.5	16.5
S10-2635RR	12.4	13.7	15.8	.	15.3	18.9	16.3	.	14.0	14.2	.	.	14.6	14.5	15.4	15.0
S10-10368	13.4	13.8	12.5	.	14.1	14.1	13.5	.	14.1	14.3	.	.	15.3	13.6	13.7	13.9
TN09- 47,169	12.0	16.1	13.8	.	14.9	16.6	15.1	.	15.4	15.9	.	.	13.9	15.4	14.8	14.9
TN11-4513	13.4	13.3	13.5	.	13.3	16.4	14.0	.	14.3	14.0	.	.	13.8	15.6	13.7	14.1
VS22-465	17.1	12.5	12.7	.	13.5	16.0	.	.	15.7	13.6	.	.	15.6	18.1	14.1	14.9
Mean	13.7	13.6	14.9	.	14.4	16.8	15.2	.	15.0	15.1	.	.	14.4	16.2	14.6	.

TABLE 9 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2013

Delta

STRAIN/ VARIETY	Keiser, AR	Portageville, MO(A)	Portageville, MO(B)	Stoneville, MS	Stuttgart, AR	Area Mean
5002T	10/12	9/29	10/14	9/17	9/20	9/30
AG 4632RR2Y	0	-6	-3	-1	-9	-4
DK 4866	0	-3	-3	-1	-9	-3
AG 4907	-2	-2	1	-1	-7	-2
DS25-1	1	-2	-2	0	-1	-1
JTN-4607	1	-5	-2	-6	-7	-4
R08-527	0	3	0	1	4	2
R09-1589	-1	2	3	2	7	3
R09-1970	1	3	0	2	1	1
R09-430	2	-1	2	2	4	2
R09-4571	1	-4	0	-5	-9	-3
S08-9942RR	3	1	1	-3	-5	0
S09-9943	-1	-3	-2	-8	-10	-5
S09-10871	-1	5	-2	-8	-7	-2
S10-2635RR	-2	-11	-4	-8	-13	-8
S10-10368	1	3	4	1	0	2
TN09- 47,169	1	3	1	1	0	1
TN11-4513	0	1	-2	-1	-1	-1
VS22-465	5	5	11	6	12	8
Mean	0	-1	0	-1	-3	-1

TABLE 9 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2013

East

STRAIN/ VARIETY	Warsaw, VA	Area Mean
5002T	10/2	10/2
AG 4632RR2Y	-4	-4
DK 4866	-6	-6
AG 4907	-3	-3
DS25-1	1	1
JTN-4607	1	1
R08-527	1	1
R09-1589	0	0
R09-1970	3	3
R09-430	1	1
R09-4571	-4	-4
S08-9942RR	-5	-5
S09-9943	-7	-7
S09-10871	-5	-5
S10-2635RR	-7	-7
S10-10368	5	5
TN09- 47,169	0	0
TN11-4513	-3	-3
VS22-465	15	15
Mean	-1	-1

TABLE 9 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2013

South

STRAIN/ VARIETY	Knoxville, TN	Orange, VA	Springfield, TN	Area Mean
5002T	9/26	10/29	9/30	10/9
AG 4632RR2Y	-7	0	-8	-5
DK 4866	-3	0	-7	-3
AG 4907	-2	0	-6	-3
DS25-1	0	0	-2	-1
JTN-4607	2	0	-2	0
R08-527	0	0	-1	0
R09-1589	2	0	-2	0
R09-1970	4	0	-2	1
R09-430	3	0	0	1
R09-4571	-8	0	-8	-5
S08-9942RR	1	0	-7	-2
S09-9943	-7	0	-7	-5
S09-10871	-3	0	-7	-4
S10-2635RR	-8	0	-8	-5
S10-10368	7	0	0	2
TN09- 47,169	4	0	-1	1
TN11-4513	-1	0	-4	-2
VS22-465	11	.	4	8
Mean	0	0	-4	-1

TABLE 9 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2013

West

STRAIN/ VARIETY	Bossier City, LA	Area Mean
5002T	9/5	9/5
AG 4632RR2Y	-10	-10
DK 4866	7	7
AG 4907	2	2
DS25-1	-3	-3
JTN-4607	-6	-6
R08-527	-9	-9
R09-1589	0	0
R09-1970	2	2
R09-430	-4	-4
R09-4571	1	1
S08-9942RR	8	8
S09-9943	-7	-7
S09-10871	-10	-10
S10-2635RR	-19	-19
S10-10368	-10	-10
TN09- 47,169	-12	-12
TN11-4513	-7	-7
VS22-465	7	7
Mean	-4	-4

TABLE 10 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2013

Delta

STRAIN/ VARIETY	Keiser, AR	Portageville, MO(A)	Portageville, MO(B)	Stoneville, MS	Stuttgart, AR	Area Mean
5002T	31	30	23	24	19	26
AG 4632RR2Y	31	40	28	34	31	33
DK 4866	30	40	24	36	32	32
AG 4907	38	42	29	34	33	35
DS25-1	41	40	33	44	39	39
JTN-4607	39	32	26	22	25	29
R08-527	33	34	27	26	21	28
R09-1589	37	33	29	24	22	29
R09-1970	37	35	24	22	28	30
R09-430	33	34	25	20	20	27
R09-4571	37	40	31	36	34	35
S08-9942RR	34	44	30	42	37	37
S09-9943	30	37	25	32	29	30
S09-10871	30	36	24	30	28	30
S10-2635RR	36	38	30	34	32	34
S10-10368	41	38	33	30	33	35
TN09- 47,169	32	34	25	29	22	28
TN11-4513	30	33	27	24	23	27
VS22-465	38	38	34	22	26	32
Mean	35	37	28	30	28	.

TABLE 10 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2013

East

STRAIN/ VARIETY	Warsaw, VA	Area Mean
5002T	36	36
AG 4632RR2Y	47	47
DK 4866	50	50
AG 4907	52	52
DS25-1	51	51
JTN-4607	42	42
R08-527	41	41
R09-1589	37	37
R09-1970	44	44
R09-430	39	39
R09-4571	51	51
S08-9942RR	49	49
S09-9943	46	46
S09-10871	44	44
S10-2635RR	50	50
S10-10368	53	53
TN09- 47,169	44	44
TN11-4513	38	38
VS22-465	54	54
Mean	46	.

TABLE 10 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2013

South

STRAIN/ VARIETY	Carbondale, IL	Jackson, TN	Knoxville, TN	Orange, VA	Springfield, TN	Starkville, MS	Area Mean
5002T	30	22	26	.	30	.	27
AG 4632RR2Y	41	40	37	.	35	.	38
DK 4866	44	40	34	.	37	.	39
AG 4907	47	41	36	.	39	.	41
DS25-1	45	42	36	.	45	.	42
JTN-4607	42	27	33	.	31	.	33
R08-527	40	25	27	.	30	.	30
R09-1589	37	27	33	.	33	.	33
R09-1970	39	33	27	.	34	.	33
R09-430	35	23	30	.	29	.	29
R09-4571	44	39	36	.	39	.	40
S08-9942RR	44	40	36	.	39	.	40
S09-9943	39	36	29	.	34	.	34
S09-10871	39	36	27	.	30	.	33
S10-2635RR	44	39	39	.	38	.	40
S10-10368	42	36	39	.	37	.	38
TN09- 47,169	35	25	29	.	28	.	29
TN11-4513	36	25	28	.	29	.	30
VS22-465	38	29	34	.	35	.	34
Mean	40	33	32	.	34	.	.

TABLE 10 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2013

West

STRAIN/ VARIETY	Bossier City, LA	McCune, KS	Pittsburg, KS	Area Mean
5002T	17	27	27	24
AG 4632RR2Y	29	32	29	30
DK 4866	34	34	26	31
AG 4907	36	31	31	33
DS25-1	34	41	35	36
JTN-4607	19	32	34	28
R08-527	17	30	27	25
R09-1589	18	31	27	25
R09-1970	21	31	33	28
R09-430	18	28	26	24
R09-4571	33	38	30	34
S08-9942RR	37	34	31	34
S09-9943	30	32	25	29
S09-10871	28	29	25	27
S10-2635RR	31	34	33	33
S10-10368	25	39	36	33
TN09- 47,169	18	29	27	25
TN11-4513	16	29	27	24
VS22-465	17	31	29	26
Mean	25	32	29	.

TABLE 11 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2013

Delta

STRAIN/ VARIETY	Keiser, AR	Portageville, MO(A)	Portageville, MO(B)	Stoneville, MS	Stuttgart, AR	Area Mean
5002T	2.0	1.7	.	2.0	1.0	1.6
AG 4632RR2Y	1.0	2.7	.	2.0	1.7	1.8
DK 4866	1.0	2.0	.	2.0	2.0	1.7
AG 4907	1.0	2.0	.	2.0	1.7	1.6
DS25-1	2.0	3.7	.	4.0	3.0	3.0
JTN-4607	2.0	3.0	.	2.0	1.0	2.0
R08-527	2.0	1.7	.	2.0	1.0	1.6
R09-1589	1.7	1.7	.	2.0	1.0	1.5
R09-1970	2.3	3.0	.	2.0	1.0	2.1
R09-430	1.0	2.0	.	2.0	1.0	1.4
R09-4571	1.3	1.7	.	3.0	2.0	1.8
S08-9942RR	1.0	2.0	.	4.0	2.0	1.9
S09-9943	1.3	2.3	.	2.0	1.7	1.8
S09-10871	1.0	1.7	.	2.0	1.0	1.3
S10-2635RR	2.0	2.3	.	2.0	1.7	2.0
S10-10368	2.3	4.0	.	3.0	2.0	2.8
TN09- 47,169	1.3	1.7	.	2.0	1.0	1.4
TN11-4513	1.0	1.3	.	2.0	1.0	1.2
VS22-465	1.7	2.0	.	2.0	1.0	1.6
Mean	1.5	2.2	.	2.3	1.5	.

TABLE 11 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2013

East

STRAIN/ VARIETY	Warsaw, VA	Area Mean
5002T	3.1	3.1
AG 4632RR2Y	3.1	3.1
DK 4866	2.4	2.4
AG 4907	2.9	2.9
DS25-1	4.1	4.1
JTN-4607	3.6	3.6
R08-527	3.7	3.7
R09-1589	3.4	3.4
R09-1970	3.9	3.9
R09-430	3.5	3.5
R09-4571	2.9	2.9
S08-9942RR	2.2	2.2
S09-9943	2.7	2.7
S09-10871	2.6	2.6
S10-2635RR	3.7	3.7
S10-10368	5.0	5.0
TN09- 47,169	2.8	2.8
TN11-4513	1.9	1.9
VS22-465	3.1	3.1
Mean	3.2	.

**TABLE 11 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN
UNIFORM GROUP IV-S FOR YEAR 2013**

South

STRAIN/ VARIETY	Carbondale, IL	Jackson, TN	Knoxville, TN	Orange, VA	Springfield, TN	Starkville, MS	Area Mean
5002T	3.3	1.0	2.3	1.0	1.0	.	1.7
AG 4632RR2Y	1.0	2.0	2.7	1.0	1.0	.	1.5
DK 4866	1.7	2.0	2.0	1.0	1.0	.	1.5
AG 4907	2.0	2.3	2.0	1.0	1.0	.	1.7
DS25-1	5.0	3.7	4.3	1.0	1.0	.	3.0
JTN-4607	3.0	1.3	2.7	1.0	1.0	.	1.8
R08-527	2.3	1.3	2.0	1.0	1.0	.	1.5
R09-1589	1.3	1.0	2.7	1.0	1.0	.	1.4
R09-1970	5.0	2.7	3.3	1.0	1.0	.	2.6
R09-430	2.0	1.0	2.7	1.0	1.0	.	1.5
R09-4571	1.3	2.0	2.3	1.0	1.0	.	1.5
S08-9942RR	1.3	1.3	2.3	1.0	1.0	.	1.4
S09-9943	1.3	2.0	1.7	1.0	1.0	.	1.4
S09-10871	1.3	1.7	1.3	1.0	1.0	.	1.3
S10-2635RR	2.3	3.0	3.3	1.0	1.0	.	2.1
S10-10368	5.0	4.7	4.7	1.0	1.0	.	3.3
TN09- 47,169	1.7	1.7	1.7	1.0	1.0	.	1.4
TN11-4513	1.0	1.0	1.3	1.0	1.0	.	1.1
VS22-465	2.7	1.0	2.3	1.0	1.0	.	1.7
Mean	2.4	1.9	2.5	1.0	1.0	.	.

TABLE 11 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2013

West

STRAIN/ VARIETY	Bossier City, LA	McCune, KS	Pittsburg, KS	Area Mean
5002T	1.0	2.0	1.0	1.3
AG 4632RR2Y	1.0	1.0	1.0	1.0
DK 4866	1.0	1.0	1.0	1.0
AG 4907	1.3	1.0	1.0	1.1
DS25-1	3.7	2.0	1.0	2.2
JTN-4607	1.0	3.3	1.3	1.9
R08-527	1.0	1.7	1.0	1.2
R09-1589	1.0	1.0	1.0	1.0
R09-1970	1.0	2.0	1.0	1.3
R09-430	1.0	1.0	1.0	1.0
R09-4571	1.7	1.3	1.0	1.3
S08-9942RR	2.0	1.0	1.0	1.3
S09-9943	1.7	1.0	1.0	1.2
S09-10871	1.3	1.0	1.0	1.1
S10-2635RR	1.0	1.3	1.0	1.1
S10-10368	1.0	2.3	1.0	1.4
TN09- 47,169	1.0	1.3	1.0	1.1
TN11-4513	1.0	1.0	1.0	1.0
VS22-465	1.0	1.0	1.0	1.0
Mean	1.3	1.4	1.0	.

**TABLE 12 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN
UNIFORM GROUP IV-S FOR YEAR 2013**

Delta

STRAIN/ VARIETY	Keiser, AR	Portageville, MO(A)	Portageville, MO(B)	Stoneville, MS	Stuttgart, AR	Area Mean
5002T	.	2.0	3.3	2.0	2.0	2.5
AG 4632RR2Y	.	3.0	2.7	2.0	4.5	2.9
DK 4866	.	3.0	3.0	2.0	4.0	3.0
AG 4907	.	3.3	3.3	2.0	4.0	3.3
DS25-1	.	3.0	3.3	2.0	3.5	3.1
JTN-4607	.	2.7	3.0	2.0	3.5	2.8
R08-527	.	2.7	3.0	2.0	3.0	2.8
R09-1589	.	2.7	2.3	2.0	2.0	2.4
R09-1970	.	2.7	2.7	2.0	2.5	2.6
R09-430	.	2.7	2.7	2.0	2.0	2.5
R09-4571	.	3.7	3.0	2.0	3.5	3.2
S08-9942RR	.	3.3	3.0	2.0	4.0	3.1
S09-9943	.	3.3	3.3	2.0	4.0	3.3
S09-10871	.	3.3	3.0	2.0	3.0	3.0
S10-2635RR	.	3.0	2.3	2.0	4.5	2.8
S10-10368	.	3.3	2.3	2.0	3.5	2.8
TN09- 47,169	.	2.7	3.0	2.0	2.5	2.7
TN11-4513	.	2.0	2.7	2.0	3.0	2.4
VS22-465	.	3.0	3.3	2.0	3.0	3.0
Mean	.	2.9	2.9	2.0	3.3	.

TABLE 12 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2013

East

STRAIN/ VARIETY	Warsaw, VA	Area Mean
5002T	1.6	1.6
AG 4632RR2Y	2.2	2.2
DK 4866	2.4	2.4
AG 4907	2.4	2.4
DS25-1	2.6	2.6
JTN-4607	1.8	1.8
R08-527	1.6	1.6
R09-1589	1.8	1.8
R09-1970	1.8	1.8
R09-430	1.8	1.8
R09-4571	2.0	2.0
S08-9942RR	2.2	2.2
S09-9943	2.5	2.5
S09-10871	1.9	1.9
S10-2635RR	2.4	2.4
S10-10368	2.9	2.9
TN09- 47,169	1.7	1.7
TN11-4513	1.7	1.7
VS22-465	2.4	2.4
Mean	2.1	.

TABLE 12 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2013

South

STRAIN/ VARIETY	Carbondale, IL	Jackson, TN	Knoxville, TN	Orange, VA	Springfield, TN	Starkville, MS	Area Mean
5002T	2.0	1.0	1.0	1.3	.	.	1.3
AG 4632RR2Y	1.5	2.0	2.3	2.0	.	.	2.0
DK 4866	2.3	1.7	3.0	2.3	.	.	2.3
AG 4907	2.2	2.0	2.7	2.3	.	.	2.3
DS25-1	1.7	1.7	1.3	1.0	.	.	1.4
JTN-4607	1.8	1.3	1.3	2.0	.	.	1.6
R08-527	2.3	1.3	2.0	1.0	.	.	1.7
R09-1589	2.2	1.7	1.0	2.3	.	.	1.8
R09-1970	1.3	1.5	2.3	1.3	.	.	1.6
R09-430	1.8	1.3	2.0	1.7	.	.	1.7
R09-4571	2.2	1.7	2.3	2.0	.	.	2.0
S08-9942RR	2.8	1.3	2.3	1.7	.	.	2.0
S09-9943	1.5	2.0	2.0	2.0	.	.	1.9
S09-10871	2.5	1.3	1.7	1.7	.	.	1.7
S10-2635RR	1.7	1.0	2.3	2.3	.	.	1.8
S10-10368	1.5	2.0	2.0	2.0	.	.	1.9
TN09- 47,169	1.7	1.7	2.0	2.7	.	.	2.0
TN11-4513	1.5	1.7	1.7	2.7	.	.	1.9
VS22-465	2.0	1.3	1.7	5.0	.	.	2.5
Mean	1.9	1.6	1.9	2.1	.	.	.

TABLE 12 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2013

West

STRAIN/ VARIETY	Bossier City, LA	McCune, KS	Pittsburg, KS	Area Mean
5002T	1.0	2.0	.	1.5
AG 4632RR2Y	1.0	2.0	.	1.5
DK 4866	1.0	1.0	.	1.0
AG 4907	1.0	1.0	.	1.0
DS25-1	1.0	2.0	.	1.5
JTN-4607	1.0	2.0	.	1.5
R08-527	1.0	2.0	.	1.5
R09-1589	1.0	2.0	.	1.5
R09-1970	1.0	1.0	.	1.0
R09-430	1.0	1.0	.	1.0
R09-4571	1.0	1.0	.	1.0
S08-9942RR	1.0	1.0	.	1.0
S09-9943	1.0	1.0	.	1.0
S09-10871	1.0	2.0	.	1.5
S10-2635RR	1.0	2.0	.	1.5
S10-10368	1.0	2.0	.	1.5
TN09- 47,169	1.0	1.0	.	1.0
TN11-4513	1.0	1.0	.	1.0
VS22-465	1.0	1.0	.	1.0
Mean	1.0	1.5	.	.

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TABLE 13 - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2013

STRAIN/VARIETY	PARENTAGE	Fn	SPECIAL TRAITS
1 AG 4232RR2Y	Commercial check		
2 AG 4632RR2Y	Commercial check		
3 AG 3803	Commercial check		
4 LD06-7620	IA3023 x LD00-3309		
5 LG03-4561-14	LG99-5106xLG97-9226	F6	DIV
6 S10-11200	S04-8882 X R00-1194F	F5	SCN,CONV
7 S11-8789	S06-10572RR X S08-110	F5	RR2
8 S11-8794	S06-10572RR X S08-110	F5	RR2
9 S11-9618	S06-10572RR X S08-115	F5	RR2
10 S11-14954	LD04-13265 X S06-12439	F5	CONV
11 S11-16413	S07-2680 X R00-1194F	F5	CONV
12 TN10-4038	Rend/LG97-9301		
13 TN11-4510	TN02-226 x MON RR2Y		RR2Y
14 TN12-4061	Rend x LG97-9301		

**TABLE 14 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY
GROWN IN PRELIMINARY TEST IV-S-EARLY FOR YEAR 2013**

STRAIN/ VARIETY	SEED YIELD	RANK	AVG. RANK	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SIZE	% PROTEIN	% OIL	HG TYPE			SC RATING	SC SCORE	FL COLOR	PUB. COLOR	POD COLOR
											1.2.5.7	5.7	2.5.7					
											Race 2	Race 3	Race 5					
AG 4232RR2Y	54.8	4	7	0	2.0	34	2.1	15.8	39.9	22.4	4	3	4	SS	3	P	G	T
AG 4632RR2Y	63.0	1	3	1	1.7	36	2.5	15.4	38.7	22.5	4	4	5	SS	3	P	G	Br
AG 3803	49.4	13	10	-5	1.5	31	2.7	15.7	41.5	22.8	5	3	5	R	1	P	G	Br
LD06-7620	52.3	8	8	-3	1.4	30	3.1	15.6	41.0	21.8	4	4	5	R	1	P	G	Br
LG03-4561-14	47.6	14	11	-7	2.7	34	2.9	15.7	39.3	23.4	4	5	5	R	1	P	T	Br
S10-11200	54.9	3	6	0	1.5	38	2.5	15.2	39.4	22.4	1	3	3	R	1	W	T	
S11-8789	53.0	7	8	1	2.3	36	2.3	16.9	41.4	21.7	4	4	5	R	1	W	T	
S11-8794	51.3	9	9	-1	2.0	35	2.7	18.3	42.7	21.7	4	4	5	R	1	P	T	
S11-9618	53.1	6	8	-1	1.9	35	2.5	15.5	41.4	21.9	5	4	5	R	1	P	G	
S11-14954	50.2	12	10	-2	2.1	34	2.1	14.6	41.6	21.9	4	3	5	R	1	P	T	
S11-16413	54.1	5	7	-1	2.2	37	2.5	16.3	40.4	22.3	4	4	5	R	1	W		
TN10-4038	51.1	11	9	-6	2.4	36	3.2	15.5	40.2	22.5	4	4	5	R	1	W	G	
TN11-4510	60.0	2	3	7	1.6	28	1.9	15.1	38.8	22.2	5	4	5	S	5	P	T	
TN12-4061	51.2	10	8	-6	2.3	36	2.8	16.0	40.3	22.7	4	4	5	R	1	W	G	
Mean	53.3	.	.	-1	2.0	34	2.6	15.8	40.5	22.3	.	.	.		.			
LSD(0.05)	4.9	.	.	3	.	3	0.5	1.2	0.9	0.5	.	.	.		.			
CV(%)	11.0	.	.	-195	.	10	18.9	7.1	2.0	2.1	.	.	.		.			

TABLE 15 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2013

STRAIN/ VARIETY	Carbondale, IL	Jackson, TN	Keiser, AR	Orange, VA	Portageville, MO(B)	Springfield, TN	Stoneville, MS	Stuttgart, ‡ AR	Warsaw, VA	Test Mean
AG 4232RR2Y	61.8	67.0	48.7	25.1	43.9	66.2	60.7	63.7	65.5	54.8
AG 4632RR2Y	62.5	70.9	61.1	22.9	56.7	72.9	75.0	56.3	81.9	63.0
AG 3803	66.0	53.6	43.9	21.3	41.7	44.6	47.1	43.7	76.9	49.4
LD06-7620	66.0	62.1	49.6	16.7	47.1	54.7	47.5	28.8	74.5	52.3
LG03-4561-14	62.1	53.5	45.5	22.7	34.8	46.6	48.8	38.0	66.9	47.6
S10-11200	66.0	65.5	52.8	21.3	44.4	60.6	60.2	52.9	68.6	54.9
S11-8789	65.6	57.7	48.3	19.6	46.0	54.2	64.8	50.4	67.9	53.0
S11-8794	65.3	49.6	42.2	23.1	49.0	60.0	54.4	41.6	67.6	51.3
S11-9618	66.6	52.5	44.6	17.9	52.8	54.2	70.2	43.0	66.4	53.1
S11-14954	63.9	52.2	48.1	19.7	49.3	50.2	56.9	54.7	61.3	50.2
S11-16413	65.2	56.3	44.2	23.6	52.6	61.0	58.7	43.3	71.4	54.1
TN10-4038	65.8	64.4	48.4	21.8	47.9	51.2	53.1	38.7	58.9	51.1
TN11-4510	66.7	60.9	58.2	33.3	59.2	63.9	61.0	64.3	77.0	60.0
TN12-4061	66.1	58.2	45.6	24.3	44.1	55.2	54.9	32.3	61.3	51.2
Mean	65.0	58.9	48.7	22.4	47.8	56.8	58.1	46.5	69.0	53.3
LSD(0.05)	5.9	11.3	8.0	2.3	10.2	10.5	17.5	18.0	5.0	4.9
CV(%)	4.0	8.6	7.6	4.9	10.0	8.6	13.9	18.0	3.4	11.0

‡Data not included in mean: 2013 – Stuttgart, AR

**TABLE 16 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2013**

STRAIN/ VARIETY	Carbondale, IL	Jackson, TN	Keiser, AR	Orange, VA	Portageville, MO(B)	Springfield, TN	Stoneville, MS	Stuttgart, AR	Warsaw, VA	Test Mean
AG 4232RR2Y	.	22.4	.	20.4	22.6	.	24.1	23.1	21.9	22.4
AG 4632RR2Y	.	23.3	.	19.9	22.4	.	23.3	24.1	22.3	22.5
AG 3803	.	24.0	.	19.8	23.2	.	23.9	23.2	22.5	22.8
LD06-7620	.	22.3	.	18.9	22.2	.	22.4	22.7	22.6	21.8
LG03-4561-14	.	24.6	.	19.3	23.9	.	24.6	24.7	23.6	23.4
S10-11200	.	23.3	.	19.3	23.3	.	23.7	23.2	21.9	22.4
S11-8789	.	22.5	.	18.6	22.2	.	22.8	22.7	21.6	21.7
S11-8794	.	23.0	.	18.0	22.3	.	22.8	22.1	22.0	21.7
S11-9618	.	22.7	.	18.7	21.7	.	23.6	22.8	22.2	21.9
S11-14954	.	22.7	.	18.7	22.5	.	22.7	22.9	22.0	21.9
S11-16413	.	23.1	.	18.9	23.2	.	22.8	23.4	22.4	22.3
TN10-4038	.	22.9	.	19.5	22.9	.	23.9	23.5	22.6	22.5
TN11-4510	.	22.9	.	20.5	22.2	.	22.8	23.3	21.7	22.2
TN12-4061	.	23.4	.	20.3	23.0	.	24.2	22.8	22.4	22.7
Mean	.	23.1	.	19.3	22.7	.	23.4	23.2	22.3	.

**TABLE 17 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2013**

STRAIN/ VARIETY	Carbondale, IL	Jackson, TN	Keiser, AR	Orange, VA	Portageville, MO(B)	Springfield, TN	Stoneville, MS	Stuttgart, AR	Warsaw, VA	Test Mean
AG 4232RR2Y	.	39.9	.	41.8	41.5	.	39.6	41.5	35.3	39.9
AG 4632RR2Y	.	38.2	.	41.5	39.9	.	38.4	40.0	34.3	38.7
AG 3803	.	41.3	.	43.1	42.6	.	40.5	44.7	36.5	41.5
LD06-7620	.	40.3	.	42.2	43.3	.	42.1	42.6	35.7	41.0
LG03-4561-14	.	39.3	.	42.0	40.2	.	38.9	40.0	35.1	39.3
S10-11200	.	40.1	.	42.6	38.8	.	38.2	40.7	36.0	39.4
S11-8789	.	42.5	.	42.7	42.6	.	41.6	43.2	36.0	41.4
S11-8794	.	42.8	.	44.5	43.6	.	42.9	45.1	37.3	42.7
S11-9618	.	41.8	.	44.0	42.9	.	41.3	42.2	36.4	41.4
S11-14954	.	41.4	.	43.6	42.1	.	42.2	43.7	36.4	41.6
S11-16413	.	40.0	.	43.0	40.4	.	40.4	42.5	36.0	40.4
TN10-4038	.	40.7	.	43.0	41.5	.	38.9	41.4	35.9	40.2
TN11-4510	.	39.7	.	38.8	39.2	.	40.5	41.1	33.5	38.8
TN12-4061	.	40.3	.	42.5	41.4	.	38.8	42.3	36.7	40.3
Mean	.	40.6	.	42.5	41.4	.	40.3	42.2	35.8	.

**TABLE 18 - SEED SIZE IN GRAMS PER 100 SEED FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2013**

STRAIN/ VARIETY	Carbondale, IL	Jackson, TN	Keiser, AR	Orange, VA	Portageville, MO(B)	Springfield, TN	Stoneville, MS	Stuttgart, AR	Warsaw, VA	Test Mean
AG 4232RR2Y	.	15.1	.	16.0	16.0	.	16.9	17.3	14.8	15.8
AG 4632RR2Y	13.8	15.6	.	17.0	17.4	.	14.0	14.1	16.1	15.4
AG 3803	15.3	15.4	.	16.0	17.5	.	12.8	17.1	16.0	15.7
LD06-7620	13.6	13.4	.	16.0	19.0	.	15.5	15.9	16.1	15.6
LG03-4561-14	16.7	13.4	.	15.0	18.1	.	14.1	16.3	16.0	15.7
S10-11200	13.4	14.9	.	17.0	16.3	.	13.4	15.7	16.0	15.2
S11-8789	13.2	18.3	.	15.5	20.5	.	13.8	17.5	19.4	16.9
S11-8794	15.7	18.0	.	18.0	21.1	.	16.0	20.0	19.1	18.3
S11-9618	12.1	15.5	.	16.0	17.3	.	15.1	16.6	15.8	15.5
S11-14954	13.3	12.6	.	16.0	16.2	.	12.9	15.6	15.5	14.6
S11-16413	15.4	14.0	.	18.0	17.2	.	16.4	16.2	17.1	16.3
TN10-4038	.	14.3	.	16.5	17.1	.	15.3	16.1	15.3	15.5
TN11-4510	14.0	14.1	.	16.0	15.9	.	15.5	15.6	14.5	15.1
TN12-4061	15.0	15.1	.	17.5	17.4	.	14.8	16.9	15.7	16.0
Mean	14.2	15.0	.	16.5	17.6	.	14.8	16.5	16.2	.

TABLE 19 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2013

STRAIN/ VARIETY	Carbondale, IL	Jackson, TN	Keiser, AR	Orange, VA	Portageville, MO(B)	Springfield, TN	Stoneville, MS	Stuttgart, AR	Warsaw, VA	Test Mean
AG 4232RR2Y	.	9/28	10/12	10/24	10/11	9/21	9/8	9/9	9/27	9/29
AG 4632RR2Y	.	-2	0	0	2	0	6	1	5	1
AG 3803	.	-13	-7	0	-4	-4	-7	-3	-4	-5
LD06-7620	.	-6	-3	0	-2	-3	-7	-2	0	-3
LG03-4561-14	.	-13	-13	0	-10	-3	-7	-3	-5	-7
S10-11200	.	-3	-4	0	1	1	3	1	-2	0
S11-8789	.	2	-2	0	2	1	0	1	7	1
S11-8794	.	-2	-10	0	-1	-2	2	0	4	-1
S11-9618	.	-3	-3	0	2	-1	1	0	0	-1
S11-14954	.	-6	-5	0	-3	0	2	-1	-4	-2
S11-16413	.	-5	-6	0	-1	1	1	-1	2	-1
TN10-4038	.	-9	-16	0	-6	-3	-7	-3	-3	-6
TN11-4510	.	.	2	0	9	4	12	15	7	7
TN12-4061	.	-8	-14	0	-6	-4	-7	-3	-3	-6
Mean	.	-5	-6	0	-1	-1	-1	0	0	.

**TABLE 20 - HEIGHT IN INCHES FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2013**

STRAIN/ VARIETY	Carbondale, IL	Jackson, TN	Keiser, AR	Orange, VA	Portageville, MO(B)	Springfield, TN	Stoneville, MS	Stuttgart, AR	Warsaw, VA	Test Mean
AG 4232RR2Y	44	37	30	.	25	34	30	28	47	34
AG 4632RR2Y	41	40	35	.	28	34	34	29	46	36
AG 3803	39	33	25	.	21	26	26	28	49	31
LD06-7620	37	34	26	.	23	27	24	24	42	29
LG03-4561-14	43	36	36	.	24	31	28	31	47	34
S10-11200	47	41	33	.	26	35	34	34	51	37
S11-8789	38	39	35	.	25	35	30	29	60	36
S11-8794	46	39	31	.	24	33	30	29	50	35
S11-9618	44	37	30	.	28	34	28	31	51	35
S11-14954	41	37	27	.	28	35	28	31	45	34
S11-16413	43	36	31	.	28	35	30	32	61	37
TN10-4038	45	36	33	.	26	35	32	31	48	36
TN11-4510	36	24	29	.	25	29	24	24	36	28
TN12-4061	45	36	34	.	27	37	32	31	48	36
Mean	42	36	31	.	25	33	29	29	49	.

**TABLE 21 - LODGING SCORE FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2013**

STRAIN/ VARIETY	Carbondale, IL	Jackson, TN	Keiser, AR	Orange, VA	Portageville, MO(B)	Springfield, TN	Stoneville, MS	Stuttgart, AR	Warsaw, VA	Test Mean
AG 4232RR2Y	2.5	2.0	1.5	1.0	2.0	1.3	2.0	2.0	3.3	2.0
AG 4632RR2Y	2.5	2.0	1.0	1.0	1.0	1.3	2.0	1.5	3.1	1.7
AG 3803	1.0	2.0	1.5	1.0	1.0	1.0	2.0	2.0	2.5	1.5
LD06-7620	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	3.6	1.4
LG03-4561-14	5.0	4.0	1.0	1.0	1.0	3.3	2.0	2.5	4.1	2.7
S10-11200	1.5	2.0	1.5	1.0	1.0	1.0	2.0	1.0	2.2	1.5
S11-8789	4.0	3.0	1.5	1.0	1.5	1.8	2.0	2.0	4.1	2.3
S11-8794	3.0	2.0	2.0	1.0	1.0	1.5	2.0	2.0	3.6	2.0
S11-9618	3.5	2.0	1.0	1.0	1.0	1.5	2.0	1.5	3.9	1.9
S11-14954	4.5	2.0	1.0	1.0	1.0	2.3	2.0	1.5	3.5	2.1
S11-16413	2.5	2.5	1.5	1.0	3.0	1.5	2.0	2.0	3.9	2.2
TN10-4038	5.0	2.5	1.0	1.0	1.0	2.8	2.0	2.0	3.8	2.4
TN11-4510	2.5	1.0	1.0	1.0	2.0	1.3	3.0	1.0	2.4	1.6
TN12-4061	5.0	3.0	1.0	1.0	1.0	2.3	2.0	2.0	3.6	2.3
Mean	3.1	2.2	1.3	1.0	1.3	1.7	2.1	1.7	3.4	.

**TABLE 22 - SEED QUALITY SCORE FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2013**

STRAIN/ VARIETY	Carbondale, IL	Jackson, TN	Keiser, AR	Orange, VA	Portageville, MO(B)	Springfield, TN	Stoneville, MS	Stuttgart, AR	Warsaw, VA	Test Mean
AG 4232RR2Y	.	1.0	.	2.0	2.5	.	2.0	4.0	2.5	2.1
AG 4632RR2Y	2.0	2.0	.	2.5	2.5	.	2.0	4.0	3.0	2.5
AG 3803	2.8	2.0	.	2.5	3.0	.	2.0	4.0	3.0	2.7
LD06-7620	2.5	2.0	.	3.0	4.0	.	2.0	4.0	4.0	3.1
LG03-4561-14	2.0	2.0	.	3.0	4.0	.	2.0	4.0	3.0	2.9
S10-11200	1.0	2.0	.	3.5	2.5	.	2.0	3.5	3.0	2.5
S11-8789	1.0	2.0	.	2.5	2.0	.	2.0	3.5	3.0	2.3
S11-8794	1.5	2.0	.	3.0	3.5	.	2.0	3.5	3.0	2.7
S11-9618	2.0	1.5	.	3.0	3.0	.	2.0	3.0	3.0	2.5
S11-14954	1.0	1.0	.	2.5	2.5	.	2.0	3.0	3.0	2.1
S11-16413	1.0	2.0	.	2.5	3.0	.	2.0	3.5	3.0	2.5
TN10-4038	.	2.0	.	3.5	4.0	.	2.0	4.0	4.0	3.2
TN11-4510	1.5	2.0	.	1.5	2.0	.	2.0	2.5	2.0	1.9
TN12-4061	2.0	2.0	.	3.0	3.0	.	2.0	3.5	4.0	2.8
Mean	1.7	1.8	.	2.7	3.0	.	2.0	3.6	3.1	.

TABLE 23 - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-LATE FOR YEAR 2013

	STRAIN/VARIETY	PARENTAGE	Fn	SPECIAL TRAITS
1	5002T	Holladay X Manokin		
2	AG 4632RR2Y	Commercial check		
3	DK 4866	Commercial check		
4	AG 4907	Commercial check		
5	K12-1101	R04-122/K08-1097		
6	K12-1259	R04-122/K08-1097		
7	R09-5137	5002T x Ozark	F5	
8	R10-28	5002T x Ozark	F5	
9	R10-115	5002T x R01-2245	F5	
10	R10-428RY	Osage x Ozark RR2Y (F2)	F3	
11	R10-1191	R03-263 x UA 4805	F4	
12	R10-7587	TN01-235 x S01-9265	F3	
13	S09-6262	S04-20912RR x S05-4630RR	F5	RR
14	S11-8787	S06-10572RR X S08-110	F5	RR2
15	S11-17025	S05-11268 X S05-11482	F5	CONV
16	S11-20182	S05-11482 X S06-4649RR	F5	RR1
17	S11-20345	S05-11482 X S06-3095RR	F5	RR1
18	S11-20356	S05-11482 X S06-3095RR	F5	RR1
19	TN09-45,368	TN02-226 x MON RR2Y		RR2Y
20	TN09-47,315	TN02-226 x MON RR2Y		RR2Y
21	TN12-4090	TN06-219 / IA3024		
22	V09-1558	V98-2711 x LG00-6925	F4	
23	V09-2026	Teejay x LG00-6925	F4	
24	V09-2056	Teejay x LG00-6925	F4	
25	V09-2274	V01-2245 x LG00-3372	F4	
26	V09-2618	DT99-17400 x V96-0340	F4	

**TABLE 24 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY
GROWN IN PRELIMINARY TEST IV-S-LATE FOR YEAR 2013**

STRAIN/ VARIETY	SEED		AVG.	MAT.	LODGING	HEIGHT	SEED		%	%	HG TYPE	HG TYPE	HG TYPE	SC	SC	FL	PUB.	POD
	YIELD	RANK	RANK	INDEX			QUALITY	SIZE	PROTEIN	OIL	1.2.5.7	5.7	2.5.7	RATING	SCORE	COLOR	COLOR	COLOR
											Race 2	Race 3	Race 5					
5002T	58.7	10	13	0	1.7	27	1.9	16.2	39.9	23.2	4	5	5	SS	3	W	T	T
AG 4632RR2Y	59.9	5	12	-5	1.5	35	2.6	16.6	39.5	22.5	4	4	5	SS	3	P	G	Br
DK 4866	56.6	19	17	-5	1.7	35	2.6	16.1	39.9	22.3	5	4	5	R	1	P	G	Br
AG 4907	59.3	7	12	-3	1.7	38	1.9	14.9	39.7	22.8	5	3	5	R	1	P	G	Br
K12-1101	58.2	13	14	-1	2.4	30	2.0	17.0	38.4	23.0	5	4	5	SS	3	P	G	T
K12-1259	57.1	17	15	0	2.4	31	2.4	16.5	38.4	22.9	5	5	5	R	1	P	T	T
R09-5137	58.3	12	14	-1	1.9	29	2.1	16.9	38.9	22.7	5	4	5	SS	3	P	G	T
R10-28	59.7	6	10	0	2.0	31	1.7	16.4	40.0	23.1	4	4	5	R	1	P	G	T
R10-115	57.2	16	15	-1	2.2	31	1.8	16.7	39.8	23.2	5	4	5	R	1	W	T	T
R10-428RY	58.3	11	12	3	1.7	35	1.6	13.3	41.1	21.3	5	3	5	R	1	P	G	T
R10-1191	60.4	4	9	2	2.0	30	1.9	14.2	41.9	21.4	4	4	5	R	1	W	G	T
R10-7587	57.0	18	17	-1	2.1	33	2.1	13.7	41.4	21.5	4	4	3	R	1	W	T	T
S09-6262	53.4	25	19	-4	2.1	38	2.3	15.9	40.7	22.3	5	3	5	R	1	P	T	
S11-8787	51.7	26	20	-6	2.0	34	2.3	18.3	41.6	22.2	5	3	5	R	1	W	T	
S11-17025	62.4	1	7	0	2.6	30	2.1	14.6	40.1	22.4	1	1	1	MS	4	W		
S11-20182	59.2	8	11	-1	3.3	38	2.0	14.0	39.1	21.9	1	1	2	R	1	W	T	
S11-20345	60.8	2	9	-2	2.3	34	1.7	12.8	39.7	22.4	1	1	2	R	1	W	T	
S11-20356	60.5	3	10	-2	1.9	32	2.1	14.0	40.2	22.2	1	1	1	R	1	P		
TN09-45,368	55.8	22	16	1	1.5	27	2.0	15.8	39.9	22.2	4	3	5	R	1	P	G	
TN09-47,315	57.9	15	14	1	1.4	26	1.8	15.2	39.5	21.7	4	5	4	MS	4	P	G	
TN12-4090	58.0	14	14	0	1.9	30	1.9	15.8	39.0	22.9	5	5	5	R	1	W	G	
V09-1558	56.3	20	14	-4	1.4	30	2.5	18.4	41.0	22.6	5	4	5	R	1	W	G	T
V09-2026	55.4	23	16	-2	2.2	30	2.2	16.6	40.5	23.2	5	4	5	R	1	P	G	Br
V09-2056	55.9	21	16	-3	1.3	31	2.1	16.6	40.6	23.2	5	5	5	R	1	P	G	Br
V09-2274	54.9	24	15	-2	1.2	25	1.9	13.9	39.1	23.1	5	5	5	R	1	P	G	Br
V09-2618	58.9	9	12	-1	1.8	29	1.8	16.3	39.8	22.7	4	4	5	R	1	P	T	T
Mean	57.8	.	.	-1	1.9	31	2.1	15.6	40.0	22.5	.	.	.		.			
LSD(0.05)	4.5	.	.	3	.	3	0.5	1.2	0.7	0.4	.	.	.		.			
CV(%)	10.2	.	.	-213	.	12	24.1	7.5	1.5	1.5	.	.	.		.			

TABLE 25 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-LATE FOR YEAR 2013

STRAIN/ VARIETY	Carbondale, IL	Jackson, TN	Keiser, AR	McCune, KS	Pittsburg, KS	Portageville, MO(B)	Stoneville, MS	Stuttgart, AR	Warsaw, VA	Test Mean
5002T	66.9	72.3	66.2	50.4	29.8	47.3	62.8	60.1	72.4	58.7
AG 4632RR2Y	66.9	69.5	62.1	47.3	30.0	46.0	74.8	66.6	76.1	59.9
DK 4866	62.0	75.3	59.5	51.0	28.6	43.6	63.0	61.5	64.7	56.6
AG 4907	66.6	64.9	65.4	59.5	31.5	42.9	70.2	64.3	68.7	59.3
K12-1101	66.3	65.7	68.5	55.2	29.5	46.4	58.9	66.7	66.3	58.2
K12-1259	67.0	65.1	70.3	55.6	29.5	45.4	53.7	61.0	65.8	57.1
R09-5137	66.3	71.3	69.2	48.0	26.5	49.9	60.3	60.6	72.6	58.3
R10-28	67.5	63.3	75.9	58.6	28.1	53.5	54.9	62.1	73.4	59.7
R10-115	67.0	73.5	67.8	48.0	29.3	51.8	53.3	58.0	66.1	57.2
R10-428RY	67.2	67.0	66.4	56.1	29.6	47.3	61.2	63.9	66.4	58.3
R10-1191	67.0	69.7	68.2	54.9	32.9	52.1	59.8	72.0	67.4	60.4
R10-7587	66.2	62.4	63.8	50.8	36.1	48.8	57.4	63.4	64.0	57.0
S09-6262	67.3	63.0	55.3	52.6	29.9	41.5	55.3	59.8	56.1	53.4
S11-8787	67.1	64.0	60.2	45.1	21.0	29.6	70.5	44.7	63.5	51.7
S11-17025	66.8	69.8	75.7	55.0	34.6	50.2	68.2	69.2	72.2	62.4
S11-20182	66.9	78.1	58.7	56.2	29.9	51.4	60.2	65.4	66.1	59.2
S11-20345	67.2	76.1	64.2	53.3	40.1	52.7	60.3	65.1	68.0	60.8
S11-20356	62.2	80.9	70.7	54.1	33.4	52.3	58.1	64.0	69.0	60.5
TN09-45,368	67.0	67.8	67.0	56.9	25.3	48.5	55.7	51.7	62.1	55.8
TN09-47,315	67.0	65.5	72.3	64.0	25.1	48.1	53.7	58.6	67.1	57.9
TN12-4090	65.9	63.3	68.0	54.5	33.0	52.0	61.7	65.4	58.5	58.0
V09-1558	66.7	71.7	71.6	47.6	29.1	47.8	63.5	39.6	69.2	56.3
V09-2026	66.8	69.0	64.6	46.5	30.1	40.2	63.9	51.5	66.5	55.4
V09-2056	67.5	64.5	63.0	49.7	29.5	42.6	57.1	60.7	69.0	55.9
V09-2274	67.6	63.4	60.6	46.2	30.2	30.3	62.6	57.4	75.6	54.9
V09-2618	66.7	79.7	70.2	53.8	27.1	35.2	64.3	64.7	68.4	58.9
Mean	66.5	69.1	66.4	52.7	30.0	46.1	61.0	60.7	67.5	57.8
LSD(0.05)	4.1	11.2	8.2	8.8	6.3	10.5	12.2	13.3	7.7	4.5
CV(%)	3.0	7.9	6.0	8.1	10.2	11.0	9.8	10.5	5.5	10.2

**TABLE 26 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP IV-S-LATE FOR YEAR 2013**

STRAIN/ VARIETY	Carbondale, IL	Jackson, TN	Keiser, AR	McCune, KS	Pittsburg, KS	Portageville, MO(B)	Stoneville, MS	Stuttgart, AR	Warsaw, VA	Test Mean
5002T	.	23.1	.	21.8	.	23.7	24.3	23.7	22.5	23.2
AG 4632RR2Y	.	23.0	.	21.0	.	22.9	22.9	23.3	22.1	22.5
DK 4866	.	22.6	.	21.2	.	22.6	22.6	23.4	21.2	22.3
AG 4907	.	22.9	.	21.7	.	23.4	23.5	23.2	22.1	22.8
K12-1101	.	22.8	.	22.3	.	23.4	23.5	23.7	22.1	23.0
K12-1259	.	22.9	.	22.3	.	23.0	23.4	23.5	22.1	22.9
R09-5137	.	22.9	.	21.9	.	22.7	22.9	23.4	22.3	22.7
R10-28	.	23.4	.	21.9	.	23.2	23.4	24.1	22.5	23.1
R10-115	.	23.7	.	22.2	.	23.3	24.5	23.7	22.1	23.2
R10-428RY	.	21.8	.	20.3	.	21.4	21.6	22.2	20.8	21.3
R10-1191	.	21.5	.	20.4	.	21.8	22.0	22.0	20.9	21.4
R10-7587	.	21.7	.	20.7	.	22.0	21.5	22.0	20.9	21.5
S09-6262	.	21.9	.	21.6	.	22.8	22.8	23.7	21.3	22.3
S11-8787	.	22.2	.	21.3	.	22.2	23.0	22.9	21.5	22.2
S11-17025	.	22.5	.	21.7	.	23.0	22.8	22.4	22.0	22.4
S11-20182	.	22.1	.	20.8	.	21.8	22.6	23.2	20.7	21.9
S11-20345	.	22.4	.	21.5	.	23.2	22.8	23.5	21.2	22.4
S11-20356	.	22.5	.	21.2	.	22.6	22.6	22.9	21.6	22.2
TN09-45,368	.	22.7	.	21.3	.	22.7	23.0	22.9	20.7	22.2
TN09-47,315	.	21.9	.	21.1	.	22.2	22.5	22.1	20.5	21.7
TN12-4090	.	23.2	.	21.9	.	22.9	23.7	24.4	21.4	22.9
V09-1558	.	22.4	.	21.8	.	22.6	23.3	23.2	22.4	22.6
V09-2026	.	23.1	.	22.1	.	23.8	23.7	24.0	22.7	23.2
V09-2056	.	23.2	.	22.3	.	23.5	23.7	23.4	22.9	23.2
V09-2274	.	23.0	.	22.2	.	23.8	23.5	23.0	23.0	23.1
V09-2618	.	22.6	.	21.8	.	24.0	23.3	23.1	21.2	22.7
Mean	.	22.6	.	21.6	.	22.9	23.1	23.2	21.7	.

**TABLE 27 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP IV-S-LATE FOR YEAR 2013**

STRAIN/ VARIETY	Carbondale, IL	Jackson, TN	Keiser, AR	McCune, KS	Pittsburg, KS	Portageville, MO(B)	Stoneville, MS	Stuttgart, AR	Warsaw, VA	Test Mean
5002T	.	41.4	.	41.6	.	40.8	39.6	41.5	34.8	39.9
AG 4632RR2Y	.	39.8	.	40.7	.	41.5	38.8	40.9	35.2	39.5
DK 4866	.	40.6	.	41.0	.	41.7	39.9	40.9	35.4	39.9
AG 4907	.	40.1	.	40.8	.	41.5	38.6	41.5	35.8	39.7
K12-1101	.	39.9	.	40.3	.	39.4	38.1	38.6	34.3	38.4
K12-1259	.	39.5	.	39.9	.	40.0	38.6	38.1	34.1	38.4
R09-5137	.	40.0	.	40.1	.	40.8	39.0	39.4	34.0	38.9
R10-28	.	40.8	.	41.6	.	41.7	40.2	41.3	34.4	40.0
R10-115	.	40.8	.	41.1	.	41.0	39.7	41.1	35.2	39.8
R10-428RY	.	41.9	.	42.1	.	42.6	41.7	42.2	36.4	41.1
R10-1191	.	43.1	.	43.0	.	42.6	41.6	43.9	37.0	41.9
R10-7587	.	42.7	.	42.0	.	41.7	42.3	42.9	36.8	41.4
S09-6262	.	41.2	.	41.3	.	41.9	40.2	41.9	37.5	40.7
S11-8787	.	42.7	.	43.1	.	42.9	41.4	42.8	36.5	41.6
S11-17025	.	40.7	.	40.8	.	40.8	40.3	42.6	35.4	40.1
S11-20182	.	39.4	.	39.2	.	40.7	39.4	41.3	34.9	39.1
S11-20345	.	40.5	.	39.4	.	40.9	40.4	41.7	35.6	39.7
S11-20356	.	41.1	.	40.7	.	41.9	40.8	42.2	34.6	40.2
TN09-45,368	.	39.8	.	41.0	.	41.4	40.5	41.3	35.6	39.9
TN09-47,315	.	40.4	.	39.8	.	40.2	40.1	41.1	35.3	39.5
TN12-4090	.	40.0	.	40.5	.	40.3	39.1	38.8	35.4	39.0
V09-1558	.	42.0	.	41.3	.	43.2	40.9	42.3	36.3	41.0
V09-2026	.	42.0	.	41.5	.	41.9	40.8	40.9	35.8	40.5
V09-2056	.	41.3	.	41.5	.	41.8	40.9	42.2	35.9	40.6
V09-2274	.	39.7	.	40.4	.	40.2	39.6	40.9	33.7	39.1
V09-2618	.	40.5	.	41.5	.	40.0	39.7	41.1	35.8	39.8
Mean	.	40.8	.	41.0	.	41.3	40.1	41.3	35.5	.

TABLE 28 - SEED SIZE IN GRAMS PER 100 SEED FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-LATE FOR YEAR 2013

STRAIN/ VARIETY	Carbondale, IL	Jackson, TN	Keiser, AR	McCune, KS	Pittsburg, KS	Portageville, MO(B)	Stoneville, MS	Stuttgart, AR	Warsaw, VA	Test Mean
5002T	13.8	17.9	.	17.1	.	15.7	15.9	17.0	16.2	16.2
AG 4632RR2Y	15.1	16.9	.	16.6	.	19.4	15.6	16.9	15.6	16.6
DK 4866	15.6	16.9	.	17.9	.	17.6	13.9	15.4	15.1	16.1
AG 4907	16.1	13.9	.	17.2	.	15.7	12.3	14.8	14.5	14.9
K12-1101	14.8	17.8	.	18.1	.	18.3	14.4	19.9	15.7	17.0
K12-1259	14.5	16.9	.	17.7	.	17.4	15.9	18.3	14.9	16.5
R09-5137	13.8	18.2	.	19.3	.	18.0	13.8	18.6	16.8	16.9
R10-28	13.4	16.2	.	17.5	.	17.6	16.0	18.3	15.7	16.4
R10-115	14.7	17.8	.	18.3	.	17.4	15.3	17.1	16.2	16.7
R10-428RY	13.6	13.8	.	13.2	.	13.6	13.8	13.3	11.8	13.3
R10-1191	15.2	13.3	.	13.7	.	14.5	12.8	16.9	12.8	14.2
R10-7587	13.1	13.2	.	14.5	.	13.9	11.9	14.7	14.7	13.7
S09-6262	12.4	15.8	.	18.1	.	18.9	13.6	15.9	16.8	15.9
S11-8787	12.9	19.3	.	22.6	.	19.7	16.2	18.0	19.3	18.3
S11-17025	13.9	14.7	.	15.3	.	15.4	12.6	15.7	14.5	14.6
S11-20182	13.8	13.8	.	14.6	.	14.7	13.4	15.1	13.0	14.0
S11-20345	12.2	12.9	.	13.0	.	13.5	13.0	13.4	11.9	12.8
S11-20356	15.1	15.0	.	14.7	.	13.6	12.4	14.4	12.5	14.0
TN09-45,368	15.8	15.6	.	16.7	.	15.8	16.0	17.4	13.4	15.8
TN09-47,315	16.1	15.2	.	15.7	.	16.1	14.3	15.6	13.6	15.2
TN12-4090	14.9	16.1	.	17.6	.	16.4	15.9	15.7	14.1	15.8
V09-1558	16.8	18.4	.	18.4	.	19.4	18.9	19.1	17.8	18.4
V09-2026	14.3	16.5	.	17.6	.	18.9	15.1	18.8	15.3	16.6
V09-2056	13.7	16.6	.	17.6	.	19.2	13.8	19.4	15.9	16.6
V09-2274	11.2	12.9	.	16.2	.	14.6	14.4	15.2	13.1	13.9
V09-2618	13.4	16.3	.	20.5	.	17.2	14.9	17.5	14.1	16.3
Mean	14.2	15.9	.	16.9	.	16.6	14.5	16.6	14.8	.

TABLE 29 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR PRELIMINARY GROUP IV-S-LATE FOR YEAR 2013

STRAIN/ VARIETY	Carbondale, IL	Jackson, TN	Keiser, AR	McCune, KS	Pittsburg, KS	Portageville, MO(B)	Stoneville, MS	Stuttgart, AR	Warsaw, VA	Test Mean
5002T	.	.	10/14	.	.	10/7	9/17	9/24	10/2	10/1
AG 4632RR2Y	.	.	-2	.	.	1	-3	-14	-4	-5
DK 4866	.	.	-4	.	.	-1	-3	-13	-4	-5
AG 4907	.	.	-2	.	.	1	-3	-10	-1	-3
K12-1101	.	.	0	.	.	4	0	-5	-1	-1
K12-1259	.	.	-1	.	.	4	3	-5	0	0
R09-5137	.	.	-1	.	.	2	0	-6	1	-1
R10-28	.	.	-3	.	.	5	0	-4	3	0
R10-115	.	.	-3	.	.	5	0	-9	4	-1
R10-428RY	.	.	0	.	.	6	3	0	4	3
R10-1191	.	.	-1	.	.	6	3	1	2	2
R10-7587	.	.	-3	.	.	-1	3	-4	2	-1
S09-6262	.	.	-2	.	.	1	-5	-14	0	-4
S11-8787	.	.	-1	.	.	-4	-10	-16	1	-6
S11-17025	.	.	-1	.	.	5	-1	-3	2	0
S11-20182	.	.	-4	.	.	5	0	-7	0	-1
S11-20345	.	.	-3	.	.	1	-1	-6	0	-2
S11-20356	.	.	1	.	.	0	0	-7	-2	-2
TN09-45,368	.	.	-1	.	.	5	3	-3	0	1
TN09-47,315	.	.	-4	.	.	6	1	1	0	1
TN12-4090	.	.	1	.	.	4	-1	-3	-3	0
V09-1558	.	.	-3	.	.	4	-6	-14	0	-4
V09-2026	.	.	-3	.	.	0	-1	-5	-2	-2
V09-2056	.	.	-4	.	.	-1	0	-8	-3	-3
V09-2274	.	.	-4	.	.	1	1	-4	-1	-2
V09-2618	.	.	-2	.	.	3	0	-4	-2	-1
Mean	.	.	-2	.	.	2	-1	-6	0	.

**TABLE 30 - HEIGHT IN INCHES FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP IV-S-LATE FOR YEAR 2013**

STRAIN/ VARIETY	Carbondale, IL	Jackson, TN	Keiser, AR	McCune, KS	Pittsburg, KS	Portageville, MO(B)	Stoneville, MS	Stuttgart, AR	Warsaw, VA	Test Mean
5002T	33	26	33	31	28	22	20	20	32	27
AG 4632RR2Y	40	39	34	32	31	26	32	31	49	35
DK 4866	39	40	33	31	30	25	38	32	49	35
AG 4907	45	43	36	37	32	29	38	34	52	38
K12-1101	36	31	34	32	31	23	26	24	38	30
K12-1259	38	27	37	34	35	25	24	22	37	31
R09-5137	36	30	36	29	27	23	24	20	35	29
R10-28	38	29	35	34	30	25	24	23	42	31
R10-115	38	28	38	30	32	23	24	22	41	31
R10-428RY	46	35	41	34	31	25	28	30	43	35
R10-1191	38	26	35	31	30	24	24	26	38	30
R10-7587	40	30	39	32	35	29	28	24	39	33
S09-6262	45	43	38	35	31	28	34	35	50	38
S11-8787	43	39	35	33	26	20	32	28	49	34
S11-17025	34	30	37	33	32	22	24	26	35	30
S11-20182	48	37	41	40	46	33	32	32	35	38
S11-20345	39	29	35	37	37	28	26	26	47	34
S11-20356	37	30	38	35	33	25	28	27	39	32
TN09-45,368	34	25	32	27	26	21	20	19	36	26
TN09-47,315	29	24	33	29	30	19	22	19	32	26
TN12-4090	34	30	38	32	30	26	22	23	36	30
V09-1558	39	26	38	35	30	24	24	19	34	30
V09-2026	30	31	33	37	32	24	24	23	40	30
V09-2056	38	34	36	33	30	22	22	23	41	31
V09-2274	29	21	30	29	29	20	20	20	31	25
V09-2618	37	24	35	32	31	21	22	20	35	29
Mean	38	31	36	33	31	25	26	25	40	.

**TABLE 31 - LODGING SCORE FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP IV-S-LATE FOR YEAR 2013**

STRAIN/ VARIETY	Carbondale, IL	Jackson, TN	Keiser, AR	McCune, KS	Pittsburg, KS	Portageville, MO(B)	Stoneville, MS	Stuttgart, AR	Warsaw, VA	Test Mean
5002T	1.5	2.0	1.5	2.0	1.0	1.0	2.0	1.0	3.1	1.7
AG 4632RR2Y	1.0	2.0	1.0	1.0	1.0	1.0	2.0	1.5	2.8	1.5
DK 4866	1.0	2.5	1.0	1.0	1.0	1.0	3.0	2.0	2.9	1.7
AG 4907	1.5	3.0	1.0	1.0	1.0	1.0	3.0	1.5	2.8	1.7
K12-1101	5.0	3.5	2.0	2.0	1.0	1.0	2.0	1.0	4.0	2.4
K12-1259	5.0	3.0	2.5	2.0	1.0	1.0	2.0	1.0	4.2	2.4
R09-5137	2.0	2.5	2.0	1.0	1.0	1.0	3.0	1.0	3.8	1.9
R10-28	2.0	3.0	2.5	1.5	1.0	1.0	3.0	1.0	3.4	2.0
R10-115	3.0	3.0	2.5	2.5	1.0	1.0	2.0	1.0	3.3	2.2
R10-428RY	2.0	3.0	1.0	1.0	1.0	1.0	2.0	1.0	3.1	1.7
R10-1191	3.0	3.5	1.5	1.5	1.0	1.0	2.0	1.0	3.8	2.0
R10-7587	1.5	3.5	3.0	1.5	1.5	1.0	2.0	1.0	3.8	2.1
S09-6262	3.0	4.5	1.0	1.0	1.0	1.0	3.0	2.0	2.8	2.1
S11-8787	2.0	4.0	2.0	1.0	1.0	1.0	2.0	1.5	3.1	2.0
S11-17025	5.0	4.5	2.5	2.0	1.0	1.5	2.0	1.0	4.1	2.6
S11-20182	4.0	4.0	3.5	4.0	2.5	4.0	2.0	2.0	3.7	3.3
S11-20345	3.0	4.0	1.5	2.0	1.0	2.0	2.0	1.0	3.9	2.3
S11-20356	1.5	2.5	2.0	2.0	1.5	1.5	2.0	1.0	3.1	1.9
TN09-45,368	2.0	2.0	1.0	1.0	1.0	1.0	2.0	1.0	2.6	1.5
TN09-47,315	1.0	2.0	1.0	1.5	1.0	1.0	2.0	1.0	2.5	1.4
TN12-4090	4.0	2.0	2.0	1.0	1.0	1.0	2.0	1.0	3.3	1.9
V09-1558	1.0	1.0	2.5	1.0	1.0	1.0	2.0	1.0	2.3	1.4
V09-2026	3.5	2.5	2.5	2.5	1.0	1.0	2.0	1.0	3.7	2.2
V09-2056	1.0	1.0	1.5	1.0	1.0	1.0	2.0	1.0	2.3	1.3
V09-2274	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	2.0	1.2
V09-2618	3.0	2.0	2.0	1.0	1.0	1.0	2.0	1.0	2.9	1.8
Mean	2.4	2.8	1.8	1.5	1.1	1.2	2.2	1.2	3.2	.

**TABLE 32 - SEED QUALITY SCORE FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP IV-S-LATE FOR YEAR 2013**

STRAIN/ VARIETY	Carbondale, IL	Jackson, TN	Keiser, AR	McCune, KS	Pittsburg, KS	Portageville, MO(B)	Stoneville, MS	Stuttgart, AR	Warsaw, VA	Test Mean
5002T	2.0	1.5	.	1.0	.	3.5	2.0	2.0	1.5	1.9
AG 4632RR2Y	2.0	2.0	.	2.0	.	4.5	2.0	3.5	2.0	2.6
DK 4866	2.5	2.0	.	2.0	.	4.5	2.0	3.0	1.9	2.6
AG 4907	1.3	1.5	.	1.0	.	3.5	2.0	2.5	1.8	1.9
K12-1101	1.5	2.0	.	1.0	.	3.0	2.0	3.5	1.5	2.0
K12-1259	1.8	2.0	.	2.0	.	4.0	2.0	3.0	1.7	2.4
R09-5137	2.0	1.5	.	2.0	.	3.0	2.0	2.5	1.5	2.1
R10-28	1.5	1.5	.	1.0	.	2.5	2.0	2.0	1.5	1.7
R10-115	1.5	1.5	.	1.0	.	3.0	2.0	2.5	1.5	1.8
R10-428RY	1.0	1.0	.	1.0	.	3.0	2.0	1.5	1.5	1.6
R10-1191	1.5	1.0	.	1.0	.	3.5	2.0	2.5	1.7	1.9
R10-7587	2.3	1.9	.	2.0	.	2.5	2.0	3.0	1.5	2.1
S09-6262	2.8	2.0	.	1.0	.	3.0	2.0	3.0	2.3	2.3
S11-8787	1.5	1.5	.	1.0	.	4.0	2.0	4.5	2.1	2.3
S11-17025	2.3	1.5	.	2.0	.	3.0	2.0	2.0	1.8	2.1
S11-20182	1.0	1.5	.	3.0	.	2.5	2.0	2.5	1.8	2.0
S11-20345	2.0	1.0	.	1.0	.	2.5	2.0	2.5	1.5	1.7
S11-20356	1.0	1.5	.	2.0	.	3.5	2.0	3.0	1.7	2.1
TN09-45,368	1.3	2.0	.	1.0	.	3.5	2.0	2.5	1.5	2.0
TN09-47,315	1.8	1.0	.	1.0	.	3.5	2.0	2.0	1.5	1.8
TN12-4090	2.0	1.5	.	1.0	.	3.0	2.0	2.0	1.7	1.9
V09-1558	1.3	2.0	.	3.0	.	4.5	2.0	3.0	1.5	2.5
V09-2026	1.5	2.0	.	2.0	.	3.5	2.0	3.0	1.7	2.2
V09-2056	1.3	2.0	.	2.0	.	3.5	2.0	2.5	1.5	2.1
V09-2274	1.5	1.0	.	2.0	.	3.0	2.0	2.5	1.5	1.9
V09-2618	1.5	1.0	.	1.0	.	3.5	2.0	2.5	1.5	1.8
Mean	1.7	1.6	.	1.5	.	3.3	2.0	2.7	1.6	.

TABLE 33 - PARENTAGE OF STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2013

	STRAIN/VARIETY	PARENTAGE	Fn	SPECIAL TRAITS
1	OSAGE	Fowler x Manokin		
2	5002T	Holladay X Manokin		
3	JTN-5203	R93-171 x Anand	F14	SCN, FLS
4	AG 5332RR2Y	Commercial check		
5	95Y70	Commercial check		
6	JTN-4307	S97-1688 X V94-0198	F12	SCN, FLS
7	JTN-5110	J98-32 X Anand	F11	SCN, FLS
8	N08-93	N99-186 X TN99-117		
9	N08-174	N99-186 X TN99-117		
10	NCC07-7506	K1530x(NC Roy)	F4:8	
11	NCC08-208			
12	NCC09-200719-1-2			
13	NCC09-200719-1-37			
14	R07-1826	R00-1551 x R01-315	F3	
15	R10-197	5002T x R04-357	F3	
16	R10-230	5002T x R04-357	F3	
17	R10-1288	S00-9925-10 x UA 4805	F5	
18	R10-5721	5601T x R01-2195	F5	
19	S08-17361	LG04-5196 X S00-9925-10 BS	F5	CONV
20	S09-6201	S04-20912RR x S05-4630RR	F5	RR
21	S09-13635	LG04-6863 x S04-10364	F5	DIV, CONV
22	TN09-008	Fowler x Anand		
23	TN11-5062	HOLLADAY / MANOKIN		
24	TN11-5104	HUTCHESON / TN89-39		
25	V08-0136	99VPI-67 X S00-9925-10	F4	
26	V08-1909	S00-9925-10 X S00-9985-03	F4	
27	V08-1924	S00-9925-10 X S00-9985-03	F4	

**TABLE 34 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY
GROWN IN UNIFORM TEST V FOR YEAR 2013**

STRAIN/ VARIETY	AVERAGE		YIELD ‡			PROTEIN			OIL		
	RANK	RANK	2013	12-13	11-13	2013	12-13	11-13	2013	12-13	11-13
OSAGE	.	.	.	61.5	55.7	43.5	43.1	43.0	21.3	21.3	21.0
5002T	22	17	56.7	56.8	53.6	41.4	40.9	40.8	22.6	22.6	22.4
JTN-5203	17	13	58.3	59.0	54.8	41.3	41.0	40.8	22.1	22.1	21.9
AG 5332RR2Y	6	12	60.4	61.5	.	41.0	41.0	.	22.1	22.0	.
95Y70	20	15	57.4	.	.	40.1	.	.	22.7	.	.
JTN-4307	26	23	51.1	52.7	.	42.9	42.5	.	22.1	22.0	.
JTN-5110	18	15	58.0	58.8	54.7	41.5	41.1	40.9	22.2	22.2	22.0
N08-93	24	19	55.0	.	.	40.5	.	.	22.2	.	.
N08-174	13	14	59.0	.	.	39.3	.	.	22.4	.	.
NCC07-7506	16	14	58.4	59.1	56.2	41.4	41.4	41.1	22.6	22.4	22.2
NCC08-208	25	19	52.7	.	.	40.2	.	.	23.4	.	.
NCC09-200719-1-2	4	10	60.9	.	.	40.4	.	.	21.9	.	.
NCC09-200719-1-3	1	8	62.3	.	.	39.7	.	.	21.9	.	.
R07-1826	9	12	60.0	60.1	.	41.3	41.2	.	22.3	22.2	.
R10-197	8	12	60.1	.	.	43.2	.	.	21.5	.	.
R10-230	2	8	62.2	.	.	40.7	.	.	22.4	.	.
R10-1288	11	14	59.3	.	.	42.0	.	.	21.5	.	.
R10-5721	15	14	58.4	.	.	41.9	.	.	21.9	.	.
S08-17361	5	12	60.4	61.2	.	40.7	40.7	.	22.8	22.5	.
S09-6201	7	11	60.1	.	.	42.4	.	.	21.5	.	.
S09-13635	23	16	56.1	.	.	42.0	.	.	21.3	.	.
TN09-008	3	9	61.9	60.6	.	39.4	39.1	.	22.2	22.1	.
TN11-5062	12	13	59.2	.	.	41.3	.	.	22.7	.	.
TN11-5104	10	12	59.6	.	.	42.5	.	.	21.6	.	.
V08-0136	21	14	57.1	.	.	40.1	.	.	23.0	.	.
V08-1909	14	14	58.6	.	.	39.6	.	.	23.1	.	.
V08-1924	19	14	57.7	.	.	40.1	.	.	22.7	.	.
Mean	.	.	58.5	.	.	41.1	.	.	22.2	.	.
LSD(0.05)	.	.	3.9	.	.	0.7	.	.	0.5	.	.
CV(%)	.	.	12.4	.	.	1.9	.	.	2.3	.	.

‡Data not included in mean: 2013 – Kinston, NC; Starkville, MS

2012 – Petersburg, VA; Orange, VA; Springfield, TN

2011 – Belle Mina, AL; Knoxville, TN; Orange, VA; Springfield, TN

**TABLE 35 - GENERAL SUMMARY OF BOTANICAL TRAITS FOR STRAIN/VARIETY
GROWN IN UNIFORM TEST V FOR YEAR 2013**

STRAIN/ VARIETY	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	FL. COLOR	PUB. COLOR	POD COLOR
OSAGE	0	1.3	28	1.9	13.6	P	G	T
5002T	-4	1.8	26	2.2	16.0	W	T	T
JTN-5203	-3	1.5	29	2.0	13.9	W	G	
AG 5332RR2Y	-3	1.8	35	2.2	15.3	P	T	T
95Y70	5	2.4	38	1.8	14.0	W	G	T
JTN-4307	-4	1.7	30	1.9	14.0	P	T	
JTN-5110	-2	1.9	32	2.2	16.1	P	T	
N08-93	-1	1.7	26	1.9	15.1	P	G	
N08-174	5	1.7	29	1.8	15.0	P	T	
NCC07-7506	-3	1.9	30	1.9	15.0	W	G	BR
NCC08-208	-2	2.2	30	1.7	15.2	W		
NCC09-200719-1-2	-2	1.4	29	1.9	13.6	P		
NCC09-200719-1-37	-2	1.6	29	1.8	13.0	P		
R07-1826	2	2.0	35	1.6	14.5	W	G	T
R10-197	0	1.4	29	1.8	13.8	P	G	T
R10-230	3	2.2	35	1.8	14.5	W	G	T
R10-1288	-2	2.6	33	2.0	14.1	W	T	T
R10-5721	-1	2.0	34	1.6	16.0	P	T	T
S08-17361	-2	1.6	38	2.3	17.3	W	T	
S09-6201	-3	1.8	36	2.3	17.4	W	G	
S09-13635	-4	2.1	40	2.6	16.5	W	G	
TN09-008	0	1.8	30	2.2	17.3	P	T	
TN11-5062	-3	1.8	27	1.9	15.9	W	T	
TN11-5104	-1	1.7	32	1.9	15.4	W	G	
V08-0136	1	1.7	28	1.8	14.3	W	G	T
V08-1909	-2	2.5	33	1.9	16.3	W	T	T
V08-1924	0	2.7	34	2.0	15.4	W	T	T
Mean	-1	1.9	32	2.0	15.1			
LSD(0.05)	2	0.3	2	0.3	0.8			
CV(%)	320	31.0	11	25.0	6.6			

**TABLE 36 - GENERAL SUMMARY OF PEST REACTION FOR STRAIN/VARIETY
GROWN IN UNIFORM TEST V FOR YEAR 2013**

STRAIN/ VARIETY	SCN HG TYPE 1.2.5.7	SCN HG TYPE 5.7	SCN HG TYPE 2.5.7	PRK	SRK	SC	SC	SDS
	Race 2	Race 3	Race 5	GA	GA	RATING	SCORE	DX
OSAGE						.		39
5002T	5	5	3	3.3	4.8	3.0	SS	22
JTN-5203	1	1	1	4.5	5.0	3.0	SS	17
AG 5332RR2Y	5	1	3	4.5	5.0	3.0	SS	45
95Y70	5	5	4	4.5	1.0	1.0	R	.
JTN-4307	1	1	1	4.3	1.0	3.0	SS	59
JTN-5110	1	1	1	4.8	4.5	1.0	R	28
N08-93	4	1	5	5.0	4.0	1.0	R	50
N08-174	4	4	5	4.5	3.8	1.0	R	50
NCC07-7506	4	5	4	4.3	4.8	1.0	R	25
NCC08-208	5	4	4	4.8	1.5	1.0	R	33
NCC09-200719-1-2	4	4	5	4.0	1.5	1.0	R	42
NCC09-200719-1-37	5	5	5	4.8	1.3	1.0	R	31
R07-1826	3	3	3	4.8	4.8	1.0	R	73
R10-197	5	5	3	3.5	5.0	1.0	R	42
R10-230	5	5	5	4.8	5.0	1.0	R	42
R10-1288	5	5	5	4.8	2.5	1.0	R	45
R10-5721	5	5	5	4.3	1.0	1.0	R	67
S08-17361	5	4	4	4.5	3.3	1.0	R	25
S09-6201	5	4	4	5.0	2.3	1.0	R	62
S09-13635	5	5	3	4.8	3.5	1.0	R	36
TN09-008	1	1	1	5.0	4.8	1.0	R	22
TN11-5062	5	5	5	4.0	4.8	1.0	R	28
TN11-5104	5	5	5	4.5	1.5	3.0	SS	62
V08-0136	4	5	5	5.0	4.8	1.0	R	56
V08-1909	1	4	1	5.0	4.3	1.0	R	20
V08-1924	1	4	1	5.0	2.5	1.0	R	17

TABLE 37 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST V FOR YEAR 2013

Delta

STRAIN/ VARIETY	Keiser, AR	Portageville, MO(A)	Portageville, MO(B)	Stoneville, MS	Stuttgart, AR	Area Mean
OSAGE	.	.	.	.	.	.
5002T	59.2	62.1	40.3	65.8	64.3	58.3
JTN-5203	66.0	66.0	35.6	62.8	67.8	59.6
AG 5332RR2Y	60.8	69.1	37.1	63.9	63.0	58.8
95Y70	60.2	69.4	60.3	57.7	67.6	63.0
JTN-4307	42.7	56.6	30.4	60.6	57.6	49.6
JTN-5110	64.8	62.7	42.5	69.3	72.9	62.3
N08-93	62.0	58.2	40.8	55.6	56.3	54.3
N08-174	67.4	69.4	58.4	63.7	66.4	65.1
NCC07-7506	64.5	59.6	42.0	63.7	68.7	59.7
NCC08-208	56.8	52.2	30.4	48.8	59.0	49.3
NCC09-200719-1-2	66.5	62.5	43.0	67.2	74.4	62.7
NCC09-200719-1-37	70.2	65.4	53.3	70.9	78.3	67.6
R07-1826	55.2	65.7	50.2	76.4	75.6	64.6
R10-197	59.3	71.1	45.4	80.5	68.6	65.0
R10-230	69.1	65.5	53.0	73.0	77.2	67.6
R10-1288	59.0	63.8	48.6	78.3	73.4	64.6
R10-5721	69.1	61.5	43.4	69.8	67.3	62.2
S08-17361	60.8	75.3	48.5	70.5	63.8	63.8
S09-6201	66.7	67.3	38.1	71.7	67.7	62.1
S09-13635	61.4	72.7	36.2	65.1	73.2	61.7
TN09-008	70.7	66.5	49.7	78.8	65.8	66.3
TN11-5062	63.2	63.6	46.9	74.7	63.2	62.3
TN11-5104	64.0	57.6	47.5	70.5	69.7	61.9
V08-0136	65.6	65.5	49.7	59.6	68.3	61.7
V08-1909	61.3	57.1	54.3	71.8	67.7	62.5
V08-1924	61.2	59.4	45.5	74.2	73.2	62.7
Mean	62.6	64.1	45.0	67.9	68.1	61.5
LSD(0.05)	7.3	9.3	8.0	12.4	11.2	6.6
CV(%)	7.0	8.9	10.8	11.2	9.7	11.7

TABLE 37 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST V FOR YEAR 2013

East

STRAIN/ VARIETY	Kinston, ‡ NC	Suffolk, VA	Warsaw, VA	Area Mean
OSAGE	.	.	.	.
5002T	29.6	69.7	76.0	72.8
JTN-5203	32.9	73.8	71.5	72.7
AG 5332RR2Y	36.0	80.2	73.8	77.0
95Y70	38.8	79.5	57.6	68.6
JTN-4307	23.6	71.8	70.9	71.4
JTN-5110	40.3	77.9	65.5	71.7
N08-93	34.4	80.5	73.3	76.9
N08-174	47.8	78.1	65.6	71.9
NCC07-7506	35.1	75.3	77.8	76.5
NCC08-208	41.6	71.4	75.0	73.2
NCC09-200719-1-2	38.6	83.3	80.3	81.8
NCC09-200719-1-37	37.0	75.4	79.2	77.3
R07-1826	37.6	85.6	64.2	74.9
R10-197	35.9	81.7	69.7	75.7
R10-230	34.6	82.6	75.5	79.1
R10-1288	40.2	82.1	67.1	74.6
R10-5721	40.3	76.1	68.4	72.3
S08-17361	38.7	86.3	71.0	78.7
S09-6201	38.7	72.1	67.1	69.6
S09-13635	43.0	73.7	58.3	66.0
TN09-008	33.3	84.8	77.2	81.0
TN11-5062	35.6	76.2	73.8	75.0
TN11-5104	40.1	77.2	77.8	77.5
V08-0136	30.8	82.2	66.2	74.2
V08-1909	43.3	78.6	64.4	71.5
V08-1924	46.4	79.5	57.5	68.5
Mean	37.5	78.3	70.2	74.2
LSD(0.05)	9.9	14.7	8.3	12.0
CV(%)	15.8	11.4	7.2	11.2

‡Data not included in mean.

TABLE 37 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST V FOR YEAR 2013

South

STRAIN/ VARIETY	Belle Mina, AL	Jackson, TN	Knoxville, TN	Orange, VA	Springfield, TN	Starkville, ‡ MS	Area Mean
OSAGE	.	.	.	.	.	.	.
5002T	85.2	58.3	54.4	19.3	56.7	43.3	54.8
JTN-5203	80.7	64.6	63.7	30.8	59.0	42.0	59.6
AG 5332RR2Y	85.5	71.6	60.9	20.3	52.2	41.7	58.3
95Y70	75.2	60.9	54.6	21.5	54.8	44.2	53.2
JTN-4307	71.6	59.6	53.8	19.1	44.7	44.8	49.8
JTN-5110	82.6	55.4	63.4	21.0	49.3	48.2	54.0
N08-93	74.5	54.5	53.0	20.5	51.0	44.5	50.7
N08-174	89.4	57.5	54.2	19.5	62.0	41.8	56.8
NCC07-7506	89.1	64.4	57.3	22.0	46.1	45.5	55.8
NCC08-208	88.4	60.5	50.4	29.8	60.2	38.3	57.7
NCC09-200719-1-2	84.2	63.8	57.6	21.4	60.7	41.4	57.5
NCC09-200719-1-37	89.4	57.1	58.9	21.7	56.5	44.6	56.7
R07-1826	81.0	59.1	51.4	21.1	57.4	50.0	54.2
R10-197	84.2	55.7	57.1	19.8	52.2	49.5	53.8
R10-230	86.5	57.5	56.7	23.1	51.6	47.4	55.1
R10-1288	81.3	56.7	56.2	31.3	47.3	54.4	54.8
R10-5721	75.8	52.4	58.3	21.6	58.6	51.2	53.0
S08-17361	87.4	65.5	58.8	22.3	44.1	37.6	55.6
S09-6201	92.9	65.6	55.6	22.2	52.6	40.4	58.0
S09-13635	78.7	58.0	48.6	22.7	43.2	49.7	50.5
TN09-008	83.6	64.7	64.5	20.3	54.6	49.6	57.5
TN11-5062	88.4	61.9	56.8	21.0	51.8	40.7	56.0
TN11-5104	89.4	65.5	62.5	20.5	58.0	42.4	59.1
V08-0136	76.1	49.6	54.9	22.4	51.5	49.7	50.8
V08-1909	80.7	58.3	55.9	21.0	50.5	58.4	53.3
V08-1924	74.9	54.7	63.5	21.1	49.5	57.1	51.6
Mean	83.0	59.7	57.0	22.2	52.9	46.1	54.9
LSD(0.05)	11.4	12.3	11.3	3.4	9.3	11.9	5.4
CV(%)	8.4	12.5	11.3	9.4	9.5	15.7	11.8

‡Data not included in mean.

TABLE 37 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST V FOR YEAR 2013

West

STRAIN/ VARIETY	Bossier City, LA	McCune, KS	Pittsburg, KS	Area Mean
OSAGE	.	.	.	.
5002T	51.1	56.8	31.7	46.5
JTN-5203	44.0	51.4	37.7	44.4
AG 5332RR2Y	70.9	57.6	38.4	55.6
95Y70	52.4	54.4	35.9	47.6
JTN-4307	51.2	48.9	27.5	42.5
JTN-5110	52.0	49.6	42.8	48.1
N08-93	57.3	52.9	35.0	48.4
N08-174	48.5	50.7	33.5	44.2
NCC07-7506	59.5	55.3	30.0	48.3
NCC08-208	29.9	49.5	29.2	36.2
NCC09-200719-1-2	54.9	56.4	37.0	49.4
NCC09-200719-1-37	63.2	59.3	35.1	52.5
R07-1826	58.7	56.4	40.7	51.9
R10-197	55.5	58.8	41.7	52.0
R10-230	66.6	58.8	34.8	53.4
R10-1288	60.4	48.9	33.5	47.6
R10-5721	61.7	59.7	33.3	51.6
S08-17361	71.3	48.8	31.8	50.6
S09-6201	70.9	56.5	34.6	54.0
S09-13635	62.8	50.9	34.5	49.4
TN09-008	47.1	60.4	39.0	48.8
TN11-5062	62.9	54.1	29.6	48.9
TN11-5104	46.3	55.5	33.6	45.1
V08-0136	51.6	57.5	35.4	48.1
V08-1909	57.8	58.3	41.5	52.5
V08-1924	55.8	53.1	45.1	51.3
Mean	56.3	54.6	35.5	48.8
LSD(0.05)	9.7	6.7	7.0	9.7
CV(%)	10.5	7.5	12.0	14.6

**TABLE 38 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN
UNIFORM GROUP V FOR YEAR 2013**

STRAIN/ VARIETY	Jackson, TN	Kinston, NC	Knoxville, TN	McCune, KS	Orange, VA	Portageville, MO(A)	Stoneville, MS	Stuttgart, AR	Warsaw, VA	Test Mean
OSAGE	21.5	21.2	22.4	20.5	19.6	21.6	22.6	21.4	20.8	21.3
5002T	23.5	23.3	23.4	21.9	18.7	22.9	24.2	23.2	22.7	22.6
JTN-5203	22.0	21.8	22.6	21.6	21.6	21.9	22.4	22.8	22.0	22.1
AG 5332RR2Y	22.4	22.0	22.7	21.1	19.2	22.8	22.9	23.9	21.6	22.1
95Y70	23.0	23.4	23.0	21.5	21.2	22.7	23.2	23.3	22.6	22.7
JTN-4307	22.6	22.7	22.8	21.1	20.5	22.3	22.7	22.3	21.7	22.1
JTN-5110	22.9	22.8	22.5	21.3	21.0	22.4	22.5	22.8	22.0	22.2
N08-93	22.4	22.9	22.9	20.9	20.8	22.1	22.5	23.2	22.0	22.2
N08-174	22.6	23.0	22.8	21.0	21.1	22.3	23.4	23.4	21.8	22.4
NCC07-7506	23.3	23.5	23.0	21.9	19.7	23.2	23.3	22.9	22.5	22.6
NCC08-208	23.7	24.3	23.8	22.3	.	23.9	23.6	22.1	23.2	23.1
NCC09-200719-1-2	22.1	22.5	22.1	20.9	20.5	22.0	22.3	23.0	21.4	21.9
NCC09-200719-1-37	22.3	22.2	22.2	20.5	21.3	21.8	22.3	23.5	21.3	21.9
R07-1826	23.5	22.6	23.3	21.7	19.9	23.3	24.1	21.3	21.3	22.3
R10-197	21.5	21.9	22.0	20.2	20.9	21.5	21.6	22.8	20.8	21.5
R10-230	22.5	22.1	22.7	22.3	20.4	22.9	23.1	23.9	21.7	22.4
R10-1288	21.8	22.2	22.1	20.7	19.5	22.1	21.7	21.9	21.5	21.5
R10-5721	22.3	22.6	23.1	20.9	19.7	22.1	22.7	22.3	21.3	21.9
S08-17361	23.7	23.9	23.4	21.8	19.7	23.2	23.6	23.6	22.4	22.8
S09-6201	21.9	21.5	22.3	20.6	18.6	22.1	22.5	22.5	21.4	21.5
S09-13635	22.1	22.2	21.8	20.7	18.3	21.6	22.2	22.1	20.4	21.3
TN09-008	22.7	22.4	22.5	21.6	20.8	22.3	23.0	22.2	22.1	22.2
TN11-5062	23.7	23.4	23.4	21.8	19.0	23.1	24.1	23.2	22.5	22.7
TN11-5104	22.3	22.1	22.3	20.5	19.1	21.7	22.5	21.8	21.7	21.6
V08-0136	23.5	23.7	23.4	22.0	21.8	23.0	23.8	23.6	22.2	23.0
V08-1909	23.7	23.3	23.7	21.8	21.6	23.8	24.1	23.5	22.8	23.1
V08-1924	23.3	22.8	23.5	22.0	21.2	23.0	23.3	22.8	22.8	22.7
Mean	22.7	22.7	22.8	21.3	20.2	22.5	23.0	22.8	21.9	.

**TABLE 39 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN
UNIFORM GROUP V FOR YEAR 2013**

STRAIN/ VARIETY	Jackson, TN	Kinston, NC	Knoxville, TN	McCune, KS	Orange, VA	Portageville, MO(A)	Stoneville, MS	Stuttgart, AR	Warsaw, VA	Test Mean
OSAGE	43.6	43.1	43.6	44.1	41.1	44.3	41.5	46.1	43.9	43.5
5002T	41.3	40.7	41.6	40.8	42.0	41.8	40.5	42.2	41.3	41.4
JTN-5203	41.4	41.6	42.0	40.8	38.7	42.3	42.1	41.3	41.8	41.3
AG 5332RR2Y	41.3	40.6	40.5	40.5	42.0	41.4	39.9	40.6	41.9	41.0
95Y70	40.3	38.3	41.2	40.2	38.6	40.5	40.3	40.8	40.4	40.1
JTN-4307	42.4	43.1	43.1	42.3	41.4	43.5	43.4	44.6	42.7	42.9
JTN-5110	40.6	40.5	42.9	41.0	40.4	42.5	42.3	41.9	41.5	41.5
N08-93	40.3	39.5	41.2	40.3	39.9	41.1	40.7	40.9	40.4	40.5
N08-174	39.7	37.7	40.0	39.6	38.1	39.6	39.1	40.0	40.0	39.3
NCC07-7506	40.9	40.0	42.6	41.5	41.4	41.4	40.3	42.7	41.6	41.4
NCC08-208	40.3	38.4	40.2	41.4	.	39.7	40.2	42.5	38.9	40.1
NCC09-200719-1-2	40.6	39.1	41.3	39.9	39.0	40.8	41.2	41.1	40.8	40.4
NCC09-200719-1-37	39.8	39.3	39.8	38.7	37.7	39.9	40.5	41.9	39.6	39.7
R07-1826	41.2	40.4	42.1	40.8	39.3	40.9	39.8	45.7	41.8	41.3
R10-197	44.0	42.8	44.4	43.8	40.3	44.0	44.0	42.0	43.7	43.2
R10-230	41.3	40.9	42.0	39.0	39.7	40.1	41.1	41.6	41.0	40.7
R10-1288	42.2	40.4	42.7	41.9	40.6	42.3	42.5	44.0	41.6	42.0
R10-5721	42.2	41.2	41.9	40.9	39.9	42.7	41.7	44.1	42.8	41.9
S08-17361	40.6	39.2	40.4	40.7	41.8	40.7	39.3	42.2	41.0	40.7
S09-6201	42.8	41.5	42.5	42.1	42.7	43.0	40.5	43.5	43.2	42.4
S09-13635	42.6	39.7	43.3	41.7	41.8	42.9	40.8	42.7	42.7	42.0
TN09-008	39.1	39.2	39.2	39.0	38.2	39.7	39.8	41.4	39.0	39.4
TN11-5062	41.0	40.6	41.3	41.1	41.3	41.7	40.8	42.3	41.4	41.3
TN11-5104	42.0	41.6	42.7	43.1	42.4	42.8	42.1	43.1	42.6	42.5
V08-0136	40.3	38.2	41.2	39.3	38.5	40.7	40.4	40.9	41.0	40.1
V08-1909	39.4	39.1	39.9	39.8	37.6	39.6	39.8	41.7	39.8	39.6
V08-1924	40.1	40.0	40.4	39.0	38.5	40.1	41.0	41.7	39.9	40.1
Mean	41.2	40.2	41.6	40.9	40.1	41.5	40.9	42.4	41.3	.

**TABLE 40 - SIZE (GRAMS PER 100 SEED) FOR STRAIN/VARIETY GROWN IN
UNIFORM GROUP V FOR YEAR 2013**

STRAIN/ VARIETY	Belle Mina, AL	Bossier City, LA	Jackson, TN	Keiser, AR	Kinston, NC	Knoxville, TN	McCune, KS	Orange, VA	Pittsburg, KS	Portageville, MO(A)	Portageville, MO(B)	Springfield, TN	Starkville, MS	Stoneville, MS	Stuttgart, AR	Suffolk, VA	Warsaw, VA	Test Mean
OSAGE	.	10.4	11.5	.	12.7	13.4	15.0	12.6	.	12.6	14.7	.	.	15.2	16.2	14.6	13.8	13.6
5002T	.	14.0	15.0	.	15.4	16.8	18.0	14.4	.	14.6	15.3	.	.	14.8	18.7	18.3	16.8	16.0
JTN-5203	.	12.9	12.5	.	12.5	14.6	14.5	13.9	.	12.3	14.3	.	.	13.5	15.0	16.2	14.9	13.9
AG 5332RR2Y	.	15.4	15.7	.	13.9	15.2	16.0	14.3	.	15.3	16.6	.	.	13.5	15.4	15.5	16.9	15.3
95Y70	.	13.0	14.5	.	12.2	14.6	14.4	13.4	.	13.7	14.6	.	.	13.1	14.1	16.1	13.8	14.0
JTN-4307	.	16.5	13.5	.	13.1	13.6	15.0	13.7	.	12.4	13.7	.	.	13.3	14.4	15.7	13.4	14.0
JTN-5110	.	16.2	14.2	.	15.4	17.1	15.7	15.3	.	15.3	16.5	.	.	16.9	17.2	17.6	15.4	16.1
N08-93	.	15.3	12.8	.	13.9	14.8	14.9	14.9	.	13.7	15.2	.	.	15.8	17.6	17.4	15.2	15.1
N08-174	.	12.3	14.6	.	14.8	15.4	15.2	13.9	.	14.3	16.6	.	.	14.0	17.1	17.0	14.9	15.0
NCC07-7506	.	13.1	14.2	.	13.9	15.5	14.8	14.2	.	14.3	15.4	.	.	15.9	17.6	16.3	14.8	15.0
NCC08-208	.	13.4	15.6	.	14.9	15.8	14.7	12.6	.	14.0	15.1	.	.	15.6	18.5	17.4	15	15.2
NCC09-200719-1-2	.	11.6	13.2	.	12.9	12.4	14.4	13.9	.	13.0	14.0	.	.	12.4	16.4	15.3	13.2	13.6
NCC09-200719-1-37	.	12.7	11.5	.	11.9	12.2	12.9	13.6	.	11.9	13.7	.	.	12.7	15.1	15.2	12.7	13.0
R07-1826	.	12.8	14.5	.	13.9	15.4	16.2	14.1	.	13.5	13.9	.	.	12.6	15.6	17.2	14.5	14.5
R10-197	.	13.0	11.8	.	13.1	13.9	14.7	13.6	.	12.9	14.3	.	.	14.5	16.1	15.0	12.1	13.8
R10-230	.	15.0	14.0	.	13.4	14.9	15.2	13.4	.	12.9	15.4	.	.	13.7	16.9	16.1	13.8	14.5
R10-1288	.	13.6	12.3	.	13.9	14.0	12.1	14.7	.	13.1	15.9	.	.	14.1	16.4	15.6	13.3	14.1
R10-5721	.	14.0	13.6	.	15.7	16.0	17.1	13.0	.	14.9	17.0	.	.	16.6	18.2	19.3	16.5	16.0
S08-17361	.	14.5	18.8	.	15.8	18.6	19.0	14.8	.	18.1	18.9	.	.	15.0	17.7	19.2	17.3	17.3
S09-6201	.	13.9	17.0	.	14.5	17.3	18.8	14.5	.	16.3	18.5	.	.	22.5	19.8	18.7	16.8	17.4
S09-13635	.	12.5	17.1	.	15.1	17.7	19.0	14.9	.	16.6	18.2	.	.	14.6	17.9	18.7	15.9	16.5
TN09-008	.	14.8	17.5	.	16.6	18.6	18.2	15.1	.	16.3	17.1	.	.	15.9	19.7	20.7	17.5	17.3
TN11-5062	.	13.0	16.0	.	14.3	16.4	17.4	15.3	.	14.6	16.1	.	.	15.7	18.4	18.2	15.9	15.9
TN11-5104	.	13.5	14.8	.	14.5	15.2	16.8	14.8	.	13.7	15.7	.	.	15.7	16.7	17.7	15.1	15.4
V08-0136	.	15.5	12.6	.	12.6	15.3	14.7	12.6	.	13.4	14.9	.	.	13.5	17.2	16.5	12.6	14.3
V08-1909	.	13.4	15.0	.	15.8	17.0	18.1	15.0	.	14.8	17.3	.	.	15.8	20.0	17.9	15.9	16.3
V08-1924	.	15.8	13.2	.	15.0	16.5	16.1	13.9	.	14.4	15.9	.	.	15.7	17.1	16.5	14.5	15.4
Mean	.	13.8	14.3	.	14.1	15.4	15.9	14.1	.	14.2	15.7	.	.	14.9	17.1	17.0	14.9	.

TABLE 41 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2013

Delta

STRAIN/ VARIETY	Keiser, AR	Portageville, MO(A)	Portageville, MO(B)	Stoneville, MS	Stuttgart, AR	Area Mean
OSAGE	10/19	10/8	10/13	9/30	9/28	10/8
5002T	1	-8	-6	-12	-6	-6
JTN-5203	1	-5	-3	-13	-8	-5
AG 5332RR2Y	1	-4	-4	-10	-14	-6
95Y70	0	7	9	0	2	3
JTN-4307	-1	-7	-7	-10	-8	-7
JTN-5110	0	-4	-2	-10	-5	-4
N08-93	0	-3	0	-2	-4	-2
N08-174	-1	6	10	-2	3	3
NCC07-7506	1	-5	-2	-13	-7	-5
NCC08-208	1	-6	-3	-10	-1	-4
NCC09-200719-1-2	2	-5	-1	-12	-2	-3
NCC09-200719-1-37	1	-6	0	-12	-6	-4
R07-1826	0	1	0	0	1	0
R10-197	2	0	0	-11	-2	-2
R10-230	3	1	2	3	-1	1
R10-1288	2	-6	-1	-10	-7	-4
R10-5721	0	-1	-1	-10	0	-2
S08-17361	2	0	-2	-12	-9	-4
S09-6201	2	-6	-4	-13	-9	-6
S09-13635	-1	-4	-8	-12	-15	-8
TN09-008	1	-3	2	-10	-2	-2
TN11-5062	0	2	0	-12	-7	-3
TN11-5104	-1	-2	1	-11	0	-2
V08-0136	-1	3	3	-10	1	0
V08-1909	1	-7	1	-10	-3	-3
V08-1924	0	-6	2	0	-3	-2
Mean	1	-3	0	-8	-4	-3

TABLE 41 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2013

East

STRAIN/ VARIETY	Kinston, NC	Warsaw, VA	Area Mean
OSAGE	10/10	10/7	10/8
5002T	-9	-6	-7
JTN-5203	-6	0	-3
AG 5332RR2Y	-3	-4	-3
95Y70	10	8	9
JTN-4307	-9	-4	-6
JTN-5110	-5	-4	-4
N08-93	1	-2	-1
N08-174	10	7	9
NCC07-7506	-7	-2	-4
NCC08-208	-4	-2	-3
NCC09-200719-1-2	-5	-3	-4
NCC09-200719-1-37	-6	-2	-4
R07-1826	0	5	3
R10-197	-2	0	-1
R10-230	2	3	2
R10-1288	-5	-3	-4
R10-5721	-4	0	-2
S08-17361	-8	-6	-7
S09-6201	-6	-5	-5
S09-13635	-7	-3	-4
TN09-008	-2	-1	-2
TN11-5062	-9	-5	-7
TN11-5104	-2	-2	-2
V08-0136	1	1	1
V08-1909	-3	-2	-2
V08-1924	2	0	1
Mean	-3	-1	-2

TABLE 41 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2013

South

STRAIN/ VARIETY	Belle Mina, AL	Knoxville, TN	Orange, VA	Springfield, TN	Area Mean
OSAGE	9/23	10/2	11/1	10/6	10/8
5002T	9	-8	0	-2	0
JTN-5203	3	-1	0	-2	0
AG 5332RR2Y	2	-5	0	-2	-1
95Y70	7	6	0	2	4
JTN-4307	2	-4	0	-2	-1
JTN-5110	2	1	0	0	1
N08-93	2	-2	0	1	0
N08-174	8	7	0	7	6
NCC07-7506	1	0	0	-2	0
NCC08-208	2	0	0	1	1
NCC09-200719-1-2	4	0	0	0	1
NCC09-200719-1-37	2	-1	0	0	0
R07-1826	7	5	0	2	3
R10-197	3	1	0	1	1
R10-230	6	5	0	1	3
R10-1288	2	-1	0	1	0
R10-5721	2	-2	0	-1	0
S08-17361	2	-4	0	-1	-1
S09-6201	3	-5	0	-1	-1
S09-13635	2	-8	0	1	-1
TN09-008	2	3	0	0	1
TN11-5062	5	-7	0	-1	-1
TN11-5104	2	-2	0	1	0
V08-0136	6	3	0	-1	2
V08-1909	0	0	0	0	0
V08-1924	3	2	0	1	1
Mean	3	-1	0	0	1

TABLE 41 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2013

West

STRAIN/ VARIETY	Bossier City, LA	Area Mean
OSAGE	9/7	9/7
5002T	1	1
JTN-5203	-1	-1
AG 5332RR2Y	10	10
95Y70	13	13
JTN-4307	3	3
JTN-5110	2	2
N08-93	2	2
N08-174	9	9
NCC07-7506	-1	-1
NCC08-208	0	0
NCC09-200719-1-2	-3	-3
NCC09-200719-1-37	-1	-1
R07-1826	8	8
R10-197	3	3
R10-230	12	12
R10-1288	2	2
R10-5721	5	5
S08-17361	8	8
S09-6201	2	2
S09-13635	5	5
TN09-008	5	5
TN11-5062	-2	-2
TN11-5104	3	3
V08-0136	6	6
V08-1909	-6	-6
V08-1924	2	2
Mean	3	3

TABLE 42 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2013

Delta

STRAIN/ VARIETY	Keiser, AR	Portageville, MO(A)	Portageville, MO(B)	Stoneville, MS	Stuttgart, AR	Area Mean
OSAGE	31	27	21	24	20	25
5002T	31	22	21	26	19	24
JTN-5203	34	25	19	22	21	24
AG 5332RR2Y	32	35	26	46	34	34
95Y70	41	34	30	30	34	34
JTN-4307	33	28	22	26	23	27
JTN-5110	36	28	25	28	28	29
N08-93	28	22	17	26	16	22
N08-174	32	27	20	26	22	26
NCC07-7506	36	25	23	24	25	27
NCC08-208	35	24	22	22	22	25
NCC09-200719-1-2	34	23	20	28	21	25
NCC09-200719-1-37	34	25	23	24	23	26
R07-1826	37	31	27	36	28	32
R10-197	33	26	23	30	21	27
R10-230	36	30	25	38	29	31
R10-1288	38	27	28	32	25	30
R10-5721	36	29	24	32	29	30
S08-17361	35	35	29	46	34	35
S09-6201	36	34	23	42	31	33
S09-13635	37	42	26	44	35	36
TN09-008	35	26	23	26	25	27
TN11-5062	31	22	23	26	19	24
TN11-5104	36	24	25	26	26	28
V08-0136	34	26	20	26	24	26
V08-1909	36	27	27	28	27	29
V08-1924	37	27	28	36	30	31
Mean	35	28	24	30	26	.

TABLE 42 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2013

East

STRAIN/ VARIETY	Kinston, NC	Suffolk, VA	Warsaw, VA	Area Mean
OSAGE	21	36	36	31
5002T	17	31	32	26
JTN-5203	19	34	39	31
AG 5332RR2Y	24	39	44	36
95Y70	34	41	54	43
JTN-4307	24	36	47	36
JTN-5110	23	38	44	36
N08-93	20	32	35	29
N08-174	24	35	36	31
NCC07-7506	21	34	43	33
NCC08-208	18	36	43	33
NCC09-200719-1-2	20	37	38	32
NCC09-200719-1-37	20	35	36	30
R07-1826	31	41	56	43
R10-197	19	36	37	31
R10-230	19	42	56	41
R10-1288	26	37	42	35
R10-5721	26	40	44	37
S08-17361	29	47	50	43
S09-6201	29	41	46	39
S09-13635	36	45	55	45
TN09-008	22	35	39	32
TN11-5062	19	34	33	28
TN11-5104	25	37	41	34
V08-0136	20	35	36	30
V08-1909	23	38	45	36
V08-1924	26	38	45	36
Mean	24	37	43	.

TABLE 42 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2013

South

STRAIN/ VARIETY	Belle Mina, AL	Jackson, TN	Knoxville, TN	Orange, VA	Springfield, TN	Starkville, MS	Area Mean
OSAGE	39	31	31	.	29	.	33
5002T	34	31	29	.	30	.	31
JTN-5203	40	33	33	.	34	.	35
AG 5332RR2Y	45	39	33	.	31	.	37
95Y70	48	43	45	.	42	.	45
JTN-4307	41	34	29	.	37	.	35
JTN-5110	42	37	33	.	34	.	37
N08-93	38	28	28	.	30	.	31
N08-174	41	33	32	.	31	.	34
NCC07-7506	41	33	35	.	35	.	36
NCC08-208	41	35	30	.	33	.	35
NCC09-200719-1-2	42	37	26	.	33	.	35
NCC09-200719-1-37	39	37	27	.	31	.	34
R07-1826	43	36	36	.	36	.	38
R10-197	40	33	30	.	33	.	34
R10-230	46	37	36	.	39	.	39
R10-1288	41	37	36	.	38	.	38
R10-5721	42	40	44	.	38	.	41
S08-17361	47	40	39	.	35	.	40
S09-6201	44	43	38	.	37	.	41
S09-13635	48	47	41	.	39	.	44
TN09-008	40	37	32	.	32	.	36
TN11-5062	34	32	27	.	32	.	31
TN11-5104	38	41	38	.	34	.	38
V08-0136	40	32	32	.	32	.	34
V08-1909	44	37	37	.	39	.	39
V08-1924	44	38	35	.	39	.	39
Mean	42	36	34	.	35	.	.

TABLE 42 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2013

West

STRAIN/ VARIETY	Bossier City, LA	McCune, KS	Pittsburg, KS	Area Mean
OSAGE	16	28	28	24
5002T	17	27	28	24
JTN-5203	15	29	32	25
AG 5332RR2Y	31	31	32	32
95Y70	20	38	40	33
JTN-4307	16	28	31	25
JTN-5110	18	31	33	27
N08-93	16	23	26	22
N08-174	17	27	28	24
NCC07-7506	17	30	32	26
NCC08-208	14	33	32	26
NCC09-200719-1-2	18	28	29	25
NCC09-200719-1-37	18	30	30	26
R07-1826	18	32	36	29
R10-197	15	30	30	25
R10-230	20	35	33	29
R10-1288	20	35	35	30
R10-5721	20	35	37	31
S08-17361	37	33	32	34
S09-6201	33	34	32	33
S09-13635	38	35	35	36
TN09-008	16	33	32	27
TN11-5062	17	28	29	25
TN11-5104	16	33	33	28
V08-0136	15	28	27	24
V08-1909	18	33	35	29
V08-1924	18	35	39	31
Mean	20	31	32	.

TABLE 43 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2013

Delta

STRAIN/ VARIETY	Keiser, AR	Portageville, MO(A)	Portageville, MO(B)	Stoneville, MS	Stuttgart, AR	Area Mean
OSAGE	1.0	1.0	1.0	2.0	1.0	1.1
5002T	2.3	1.0	1.0	2.0	1.0	1.4
JTN-5203	1.3	1.0	1.0	2.0	1.0	1.2
AG 5332RR2Y	1.3	1.0	1.0	4.0	1.3	1.4
95Y70	2.3	2.0	1.7	3.0	1.7	2.0
JTN-4307	2.0	1.3	1.0	2.0	1.0	1.4
JTN-5110	2.0	1.0	1.0	2.0	1.0	1.3
N08-93	2.0	1.0	1.0	2.0	1.0	1.3
N08-174	2.0	1.7	1.0	2.0	1.0	1.5
NCC07-7506	2.7	1.0	1.0	2.0	1.0	1.5
NCC08-208	2.7	1.7	1.0	2.0	1.0	1.6
NCC09-200719-1-2	2.0	1.0	1.0	2.0	1.0	1.3
NCC09-200719-1-37	2.0	1.0	1.0	2.0	1.0	1.3
R07-1826	2.3	1.7	1.0	2.0	1.0	1.5
R10-197	1.3	1.0	1.0	2.0	1.0	1.2
R10-230	2.3	2.0	1.0	2.0	1.0	1.6
R10-1288	3.0	2.7	2.0	2.0	1.0	2.2
R10-5721	2.0	1.3	1.0	2.0	1.0	1.4
S08-17361	1.0	1.0	1.0	3.0	1.3	1.2
S09-6201	1.7	1.0	1.0	3.0	1.0	1.3
S09-13635	2.0	2.0	1.0	4.0	2.0	1.9
TN09-008	2.0	1.0	1.0	2.0	1.0	1.3
TN11-5062	2.7	1.0	1.0	2.0	1.0	1.5
TN11-5104	2.7	1.0	1.0	2.0	1.0	1.5
V08-0136	1.7	1.3	1.0	2.0	1.0	1.3
V08-1909	3.3	2.0	2.3	2.0	1.0	2.2
V08-1924	3.3	3.0	2.0	2.0	1.3	2.4
Mean	2.1	1.4	1.1	2.3	1.1	.

TABLE 43 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2013

East

STRAIN/ VARIETY	Kinston, NC	Suffolk, VA	Warsaw, VA	Area Mean
OSAGE	1.5	1.2	2.3	1.7
5002T	2.0	1.3	3.5	2.3
JTN-5203	1.5	1.2	3.3	2.1
AG 5332RR2Y	2.3	2.0	2.7	2.3
95Y70	2.5	3.5	3.8	3.4
JTN-4307	2.0	1.5	3.5	2.4
JTN-5110	2.0	1.2	3.8	2.4
N08-93	1.8	3.3	3.9	3.2
N08-174	1.8	2.7	3.5	2.8
NCC07-7506	1.8	2.0	3.9	2.6
NCC08-208	1.8	2.3	4.1	2.8
NCC09-200719-1-2	1.5	1.0	2.8	1.8
NCC09-200719-1-37	2.0	1.7	3.5	2.4
R07-1826	2.3	1.8	3.3	2.5
R10-197	1.8	1.2	2.7	1.9
R10-230	2.3	2.3	4.0	2.9
R10-1288	2.0	3.3	3.8	3.2
R10-5721	2.3	1.8	3.3	2.5
S08-17361	2.8	1.7	2.2	2.1
S09-6201	2.8	2.0	3.3	2.7
S09-13635	2.5	2.3	3.7	2.9
TN09-008	2.0	1.0	3.6	2.2
TN11-5062	2.0	1.5	3.4	2.3
TN11-5104	2.0	1.8	3.2	2.4
V08-0136	1.8	1.5	3.1	2.2
V08-1909	2.0	3.0	3.9	3.1
V08-1924	2.0	2.8	4.2	3.1
Mean	2.0	2.0	3.4	.

TABLE 43 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2013

South

STRAIN/ VARIETY	Belle Mina, AL	Jackson, TN	Knoxville, TN	Orange, VA	Springfield, TN	Starkville, MS	Area Mean
OSAGE	1.7	1.0	1.3	1.0	1.0	.	1.2
5002T	1.7	2.3	2.7	1.0	1.7	.	1.9
JTN-5203	2.3	1.3	3.0	1.0	1.0	.	1.8
AG 5332RR2Y	2.3	2.3	3.0	1.0	1.5	.	2.1
95Y70	2.7	3.7	3.3	1.0	1.8	.	2.5
JTN-4307	2.3	2.0	1.7	1.0	1.3	.	1.7
JTN-5110	2.3	3.0	4.0	1.0	1.3	.	2.2
N08-93	2.3	1.7	2.7	1.0	1.0	.	1.7
N08-174	3.3	1.3	2.5	1.0	1.0	.	1.8
NCC07-7506	3.3	2.0	4.0	1.0	1.2	.	2.3
NCC08-208	3.7	3.7	4.3	1.0	1.5	.	2.9
NCC09-200719-1-2	2.3	1.3	1.3	1.0	1.0	.	1.4
NCC09-200719-1-37	2.3	2.0	2.3	1.0	1.3	.	1.8
R07-1826	2.7	2.7	4.0	1.0	1.7	.	2.3
R10-197	1.7	1.3	2.0	1.0	1.0	.	1.4
R10-230	3.3	3.0	3.3	1.0	2.5	.	2.6
R10-1288	3.7	3.7	4.3	1.0	2.8	.	3.1
R10-5721	2.3	3.0	3.3	1.0	1.5	.	2.3
S08-17361	2.0	2.0	2.7	1.0	1.0	.	1.7
S09-6201	2.7	2.3	2.7	1.0	1.0	.	1.9
S09-13635	2.3	2.7	3.3	1.0	1.0	.	2.1
TN09-008	2.3	3.0	3.3	1.0	1.0	.	2.2
TN11-5062	2.0	2.7	2.7	1.0	1.2	.	1.9
TN11-5104	2.0	2.3	2.7	1.0	1.0	.	1.9
V08-0136	2.7	1.7	4.3	1.0	1.0	.	2.2
V08-1909	4.0	3.7	4.3	1.0	2.5	.	3.1
V08-1924	4.0	4.0	3.0	1.0	3.7	.	3.2
Mean	2.6	2.4	3.0	1.0	1.5	.	.

TABLE 43 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2013

West

STRAIN/ VARIETY	Bossier City, LA	McCune, KS	Pittsburg, KS	Area Mean
OSAGE	1.0	1.3	1.0	1.1
5002T	1.0	2.7	1.0	1.6
JTN-5203	1.0	1.0	1.0	1.0
AG 5332RR2Y	1.7	1.0	1.0	1.2
95Y70	1.0	2.7	1.3	1.7
JTN-4307	1.0	2.0	1.3	1.4
JTN-5110	1.0	2.0	1.3	1.4
N08-93	1.0	1.0	1.0	1.0
N08-174	1.0	1.0	1.0	1.0
NCC07-7506	1.0	1.0	1.0	1.0
NCC08-208	1.0	2.3	1.3	1.6
NCC09-200719-1-2	1.0	1.0	1.0	1.0
NCC09-200719-1-37	1.0	1.0	1.0	1.0
R07-1826	1.0	2.0	1.7	1.6
R10-197	1.0	1.0	1.0	1.0
R10-230	1.0	2.7	1.3	1.7
R10-1288	1.0	3.7	1.3	2.0
R10-5721	1.0	3.0	1.3	1.8
S08-17361	2.0	1.0	1.0	1.3
S09-6201	1.3	1.0	1.0	1.1
S09-13635	2.0	1.0	1.0	1.3
TN09-008	1.0	1.7	1.0	1.2
TN11-5062	1.0	2.0	1.0	1.3
TN11-5104	1.0	2.0	1.0	1.3
V08-0136	1.0	1.0	1.0	1.0
V08-1909	1.0	3.0	1.3	1.8
V08-1924	1.0	4.0	1.7	2.2
Mean	1.1	1.8	1.1	.

TABLE 44 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2013

Delta

STRAIN/ VARIETY	Keiser, AR	Portageville, MO(A)	Portageville, MO(B)	Stoneville, MS	Stuttgart, AR	Area Mean
OSAGE	.	3.0	3.3	2.0	1.5	2.8
5002T	.	3.3	3.7	2.0	2.0	3.1
JTN-5203	.	3.0	3.7	2.0	3.0	3.1
AG 5332RR2Y	.	3.7	4.3	2.0	3.0	3.6
95Y70	.	2.7	3.0	2.0	3.0	2.8
JTN-4307	.	3.0	3.3	2.0	2.5	2.9
JTN-5110	.	3.3	3.7	2.0	1.5	3.1
N08-93	.	2.7	3.3	2.0	2.0	2.8
N08-174	.	3.0	3.3	2.0	1.5	2.8
NCC07-7506	.	2.7	3.0	2.0	1.5	2.6
NCC08-208	.	2.3	3.0	2.0	1.5	2.4
NCC09-200719-1-2	.	3.0	2.7	2.0	2.5	2.7
NCC09-200719-1-37	.	3.0	3.0	2.0	1.5	2.7
R07-1826	.	2.7	2.0	2.0	1.5	2.2
R10-197	.	2.7	4.0	2.0	2.0	3.0
R10-230	.	2.7	3.3	2.0	2.0	2.8
R10-1288	.	3.0	3.0	2.0	1.0	2.6
R10-5721	.	2.3	2.7	2.0	1.5	2.3
S08-17361	.	3.3	4.0	2.0	3.0	3.4
S09-6201	.	3.3	3.3	2.0	3.0	3.1
S09-13635	.	4.0	3.7	2.0	4.0	3.6
TN09-008	.	3.7	3.0	2.0	2.5	3.1
TN11-5062	.	3.0	3.0	2.0	2.5	2.8
TN11-5104	.	3.0	3.3	2.0	2.0	2.9
V08-0136	.	3.0	2.7	2.0	1.5	2.6
V08-1909	.	2.7	2.7	2.0	1.0	2.4
V08-1924	.	3.0	3.7	2.0	1.5	2.9
Mean	.	3.0	3.2	2.0	2.1	.

TABLE 44 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2013

East

STRAIN/ VARIETY	Kinston, NC	Suffolk, VA	Warsaw, VA	Area Mean
OSAGE	.	2.7	1.5	2.1
5002T	.	3.0	1.5	2.3
JTN-5203	.	3.0	1.8	2.4
AG 5332RR2Y	.	3.0	1.8	2.4
95Y70	.	2.0	1.4	1.7
JTN-4307	.	2.7	1.5	2.1
JTN-5110	.	4.0	1.7	2.9
N08-93	.	3.3	1.6	2.5
N08-174	.	2.7	1.8	2.2
NCC07-7506	.	2.7	1.6	2.1
NCC08-208	.	2.7	1.5	2.1
NCC09-200719-1-2	.	3.0	1.5	2.3
NCC09-200719-1-37	.	2.7	1.5	2.1
R07-1826	.	2.7	1.6	2.1
R10-197	.	2.3	1.5	1.9
R10-230	.	2.7	1.5	2.1
R10-1288	.	3.7	1.7	2.7
R10-5721	.	1.7	1.6	1.6
S08-17361	.	3.0	1.5	2.3
S09-6201	.	3.7	1.9	2.8
S09-13635	.	3.7	2.1	2.9
TN09-008	.	3.0	1.6	2.3
TN11-5062	.	3.0	1.5	2.3
TN11-5104	.	2.0	1.5	1.8
V08-0136	.	3.0	1.5	2.3
V08-1909	.	3.3	1.9	2.6
V08-1924	.	3.3	1.8	2.6
Mean	.	2.9	1.6	.

TABLE 44 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2013

South

STRAIN/ VARIETY	Belle Mina, AL	Jackson, TN	Knoxville, TN	Orange, VA	Springfield, TN	Starkville, MS	Area Mean
OSAGE	.	1.0	2.0	2.0	.	.	1.7
5002T	.	1.7	1.0	1.3	.	.	1.3
JTN-5203	.	1.0	1.7	1.0	.	.	1.2
AG 5332RR2Y	.	1.3	2.0	1.3	.	.	1.6
95Y70	.	1.0	2.0	1.0	.	.	1.3
JTN-4307	.	1.0	1.0	1.3	.	.	1.1
JTN-5110	.	2.0	2.0	1.3	.	.	1.8
N08-93	.	1.0	1.0	1.3	.	.	1.1
N08-174	.	1.0	1.0	1.3	.	.	1.1
NCC07-7506	.	1.3	2.0	1.3	.	.	1.6
NCC08-208	.	1.0	1.7	1.3	.	.	1.3
NCC09-200719-1-2	.	1.3	1.3	1.7	.	.	1.4
NCC09-200719-1-37	.	1.0	1.7	1.0	.	.	1.2
R07-1826	.	1.0	1.5	1.0	.	.	1.1
R10-197	.	1.0	1.3	1.3	.	.	1.2
R10-230	.	1.0	1.3	1.3	.	.	1.2
R10-1288	.	1.0	2.0	1.7	.	.	1.6
R10-5721	.	1.0	1.0	1.3	.	.	1.1
S08-17361	.	2.0	2.0	1.3	.	.	1.8
S09-6201	.	2.0	3.0	1.7	.	.	2.1
S09-13635	.	2.0	3.0	1.7	.	.	2.2
TN09-008	.	2.0	2.0	1.0	.	.	1.7
TN11-5062	.	1.3	1.0	1.7	.	.	1.3
TN11-5104	.	1.0	2.0	1.0	.	.	1.3
V08-0136	.	1.0	2.0	1.0	.	.	1.3
V08-1909	.	1.3	1.7	1.0	.	.	1.3
V08-1924	.	1.7	1.0	1.0	.	.	1.3
Mean	.	1.3	1.7	1.3	.	.	.

TABLE 44 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2013

West

STRAIN/ VARIETY	Bossier City, LA	McCune, KS	Pittsburg, KS	Area Mean
OSAGE	1.0	1.0	.	1.0
5002T	1.0	3.0	.	2.0
JTN-5203	1.0	1.0	.	1.0
AG 5332RR2Y	1.0	1.0	.	1.0
95Y70	1.0	1.0	.	1.0
JTN-4307	1.0	2.0	.	1.5
JTN-5110	1.0	1.0	.	1.0
N08-93	1.0	2.0	.	1.5
N08-174	1.0	1.0	.	1.0
NCC07-7506	1.0	2.0	.	1.5
NCC08-208	1.0	1.0	.	1.0
NCC09-200719-1-2	1.0	1.0	.	1.0
NCC09-200719-1-37	1.0	1.0	.	1.0
R07-1826	1.0	1.0	.	1.0
R10-197	1.0	1.0	.	1.0
R10-230	1.0	1.0	.	1.0
R10-1288	1.0	1.0	.	1.0
R10-5721	1.0	2.0	.	1.5
S08-17361	1.0	2.0	.	1.5
S09-6201	1.0	1.0	.	1.0
S09-13635	1.0	2.0	.	1.5
TN09-008	1.0	2.0	.	1.5
TN11-5062	1.0	1.0	.	1.0
TN11-5104	1.0	2.0	.	1.5
V08-0136	1.0	1.0	.	1.0
V08-1909	1.0	2.0	.	1.5
V08-1924	1.0	1.0	.	1.0
Mean	1.0	1.4	.	.

INTENTIONALLY BLANK

**TABLE 45 - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V
FOR YEAR 2013**

STRAIN/VARIETY	PARENTAGE	Fn	SPECIAL TRAITS
1 OSAGE	Fowler x Manokin		
2 5002T	Holladay X Manokin		
3 JTN-5203	R93-171 x Anand	F14	SCN, FLS
4 AG 5332RR2Y	Commercial check		
5 95Y70	Commercial check		
6 K12-1207	5601T/K08-1097		
7 K12-1348	R04-357/JTN-5503		
8 K12-1391	V03-4705/JTN-5503		
9 K12-1409	V03-4705/K08-1097		
10 K12-1414	V03-4705/K08-1097		
11 N09-7	N02-70XG98-1420		
12 N09-175	N02-70XG98-1420		
13 N09-13659	GRAHAMxN98-8597		DIV
14 NLM09-77	N6202 X G98SF114.		
15 NMS4-6-10	N7103 x Soja PI 366122	F4	25% SNP SOJA
16 NMS4-19-243	N7103 x Soja PI 366122	F4	HI PROTEIN 29% SNP SOJA
17 R04-1250RR	Ozark x 98601	F5	
18 R10-130RY	Ozark BC1F4	F5	
19 R10-197RY	Ozark BC1F4	F5	
20 R10-216	5002T x R04-357	F3	
21 R10-3185	V01-1693 x Ozark	F4	
22 R10-5709	5601T x R01-2195	F5	
23 S11-5727	S05-11482 X S08-113	F5	RR2
24 S11-16973	S05-11268 X S05-11482	F5	CONV
25 S11-17054	S05-11268 X S05-11482	F5	CONV
26 S11-20124	S05-11482 X S06-4649RR	F5	RR1
27 S11-20321	S05-11482 X S06-3095RR	F5	RR1
28 S11-21219	S05-11482 X S06-12439	F5	CONV
29 TN08-101	5601T x PI417088		
30 TN11-5088	HUTCHESON x TN89-39		
31 TN11-5102	HUTCHESON x TN89-39		
32 TN11-5510	TN02-226 x MON RR2Y		RR2Y
33 TN12-5015	5601T / TN03-349		
34 TN12-5716	TN02-226 x MON RR2Y		RR2Y
35 V08-0062	DT99-17400 x 99VPI-67		
36 V09-1268	R02-1372 x V98-2711		
37 V09-1276	R02-1372 x V98-2711		
38 V09-1470	V98-2711 x LG00-6925		
39 V10-2499	V98-2711 x LG00-3372		
40 V10-2508	V98-2711 x LG00-3372		

**TABLE 46 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY
GROWN IN PRELIMINARY TEST V FOR YEAR 2013**

STRAIN/ VARIETY	SEED YIELD	RANK	AVG. RANK	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SIZE	% PROTEIN	% OIL	HG TYPE	HG TYPE	HG TYPE	SC RATING	SC SCORE	FL COLOR	PUB. COLOR	POD COLOR
											1.2.5.7	5.7	2.5.7					
											Race 2	Race 3	Race 5					
OSAGE	.	.	.	0	1.2	21	2.1	14.4	42.9	21.9	4	.	.		.	P	G	T
5002T	55.1	28	24	-5	1.6	24	1.9	16.5	41.1	23.1	4	5	5	SS	3	W	T	T
JTN-5203	56.7	20	19	-5	1.4	27	1.7	13.6	41.4	22.2	1	3	2	SS	3	W	G	
AG 5332RR2Y	55.7	26	24	-4	1.7	33	2.2	16.6	41.5	22.3	5	4	5	SS	3	P	T	T
95Y70	58.2	11	18	2	2.1	39	1.7	15.1	40.5	22.8	5	4	5	R	1	W	G	T
K12-1207	54.7	31	22	-5	1.5	29	2.3	15.6	40.7	22.9	1	1	1	R	1	P	G	T
K12-1348	60.9	3	11	-3	1.9	32	1.7	13.2	40.1	22.2	3	1	2	R	1	P	G	T
K12-1391	56.5	21	20	-4	1.8	32	1.9	16.3	42.1	21.9	2	1	2	R	1	W	T	T
K12-1409	54.8	30	24	-5	2.1	31	1.9	14.2	41.2	21.9	1	1	1	S	5	W	T	T
K12-1414	55.7	25	22	-4	2.5	31	1.7	13.2	40.5	22.1	3	1	2	MS	4	W	T	T
N09-7	57.0	18	20	0	1.7	27	1.7	13.0	41.7	22.4	4	5	5	R	1	W	T	
N09-175	51.3	36	27	2	1.9	28	1.6	12.9	39.9	22.7	3	4	4	R	1	W	T	
N09-13659	50.3	37	30	-2	1.4	27	1.7	14.4	41.6	21.8	3	5	5	SS	3	P	G	
NLM09-77	52.9	35	26	5	1.6	34	1.8	18.8	45.4	20.9	4	5	4	R	1	P	T	
NMS4-6-10	39.7	39	38	-6	1.7	26	1.8	12.4	41.1	21.8	3	2	5	MS	4	W	T	
NMS4-19-243	46.4	38	33	1	2.9	35	2.1	10.4	44.5	20.7	5	4	5	R	1	W	G	
R04-1250RR	55.3	27	24	-2	1.7	31	1.7	15.6	41.8	22.2	5	5	5	SS	3	P	G	T
R10-130RY	57.6	15	20	-5	1.6	30	1.7	15.7	41.1	22.7	5	4	5	SS	3	P	G	T
R10-197RY	58.8	9	15	0	1.6	31	1.7	15.3	40.5	22.4	4	5	5	R	1	P	G	T
R10-216	59.1	8	15	0	2.3	32	1.6	14.1	41.8	22.2	4	5	5	R	1	W	G	T
R10-3185	56.0	24	20	-5	1.7	29	1.9	17.0	41.0	23.3	5	5	5	R	1	W	G	T
R10-5709	58.1	12	19	-1	2.2	30	1.7	14.8	42.4	21.6	5	5	5	R	1	P	T	T
S11-5727	58.2	10	17	-4	2.6	35	2.0	13.6	40.6	22.5	1	1	1	R	1	W	T	
S11-16973	60.7	6	10	-5	1.9	29	2.3	13.5	40.2	21.9	2	2	2	R	1	W		
S11-17054	59.2	7	13	-4	2.2	30	2.0	14.3	40.1	21.8	1	1	1	SS	3	W		
S11-20124	60.8	5	10	-5	3.2	37	2.2	14.8	39.8	22.8	1	3	3	MS	4	W	T	
S11-20321	56.3	23	18	-4	2.2	35	1.8	13.6	41.2	21.7	1	1	1	SS	3	P	T	
S11-21219	54.5	33	23	-3	2.7	28	2.0	15.5	41.8	21.7	1	1	1	SS	3	W		
TN08-101	57.4	16	20	-4	1.5	30	1.8	15.4	41.6	22.6	5	4	5	R	1	P	G	
TN11-5088	60.8	4	13	-3	1.6	31	1.7	15.2	42.8	21.6	5	4	4	R	1	W	G	
TN11-5102	61.2	1	12	0	1.6	29	1.6	15.0	42.7	21.7	5	5	5	R	1	W	G	
TN11-5510	56.5	22	20	1	1.6	42	2.1	16.1	41.1	22.1	2	3	2	S	5	P	G	
TN12-5015	53.4	34	26	-3	1.4	26	2.0	18.7	43.0	21.6	4	5	4	R	1	W	T	
TN12-5716	61.1	2	8	1	2.0	33	1.5	12.8	40.2	21.8	2	4	2	R	1	P	T	
V08-0062	54.9	29	24	2	1.8	33	1.7	16.2	40.5	23.2	5	4	5	R	1	W	G	
V09-1268	57.7	13	18	0	1.5	32	1.8	17.4	41.8	22.7	5	5	5	R	1	P	G	T
V09-1276	57.1	17	19	1	1.7	29	2.0	14.2	42.3	21.7	4	5	5	R	1	W	T	T
V09-1470	54.6	32	24	-4	1.7	29	2.3	15.9	42.3	22.1	4	5	5	R	1	W	T	Br
V10-2499	57.7	14	18	-5	1.7	29	1.9	14.5	40.2	22.0	5	4	5	R	1	W	G	
V10-2508	56.9	19	19	-1	1.8	31	1.9	13.7	40.0	22.4	5	5	5	R	1	W	T	
Mean	56.2	.	.	-2	1.9	31	1.9	14.8	41.4	22.2	.	.	.		.			
LSD(0.05)	5.4	.	.	6	.	3	0.4	1.5	1.1	0.5	.	.	.		.			
CV(%)	11.8	.	.	-158	.	12	22.5	8.6	2.4	2.1	.	.	.		.			

TABLE 47 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V FOR YEAR 2013

STRAIN/ VARIETY	Jackson, TN	Keiser, AR	McCune, KS	Pittsburg, KS	Portageville, MO(B)	Stoneville, MS	Stuttgart, AR	Warsaw, VA	Test Mean
OSAGE	.	.	.	.	.	.	.	.	.
5002T	58.3	61.6	49.8	25.1	44.0	67.6	64.6	70.0	55.1
JTN-5203	67.8	64.8	47.8	32.6	38.4	66.4	67.3	68.9	56.7
AG 5332RR2Y	67.9	54.4	50.6	25.2	47.2	67.9	63.0	69.1	55.7
95Y70	60.0	54.8	60.4	30.2	66.3	68.2	73.0	52.4	58.2
K12-1207	57.3	48.7	53.3	30.1	32.4	72.1	69.5	74.5	54.7
K12-1348	62.4	59.8	63.1	34.5	53.6	77.7	71.2	65.1	60.9
K12-1391	63.6	58.4	46.3	32.5	50.7	70.2	74.6	56.1	56.5
K12-1409	55.7	53.3	46.2	31.1	52.0	71.5	69.2	59.2	54.8
K12-1414	63.3	52.9	44.9	34.7	45.0	66.7	69.5	68.7	55.7
N09-7	64.5	58.0	53.0	25.8	54.3	63.9	76.7	60.0	57.0
N09-175	59.1	61.2	54.9	21.6	33.8	55.0	68.0	56.7	51.3
N09-13659	51.2	61.0	46.0	28.2	36.1	49.1	63.0	67.9	50.3
NLM09-77	53.1	62.2	51.2	25.7	54.2	56.3	64.4	56.5	52.9
NMS4-6-10	40.5	46.6	42.8	19.8	26.4	35.8	48.6	57.1	39.7
NMS4-19-243	50.1	34.4	52.3	30.9	40.0	50.6	59.1	53.7	46.4
R04-1250RR	51.5	55.6	49.3	28.1	56.9	69.0	69.5	62.6	55.3
R10-130RY	61.5	61.1	51.1	29.6	50.7	67.9	66.2	72.7	57.6
R10-197RY	63.0	64.2	55.2	27.8	52.3	72.9	70.3	64.8	58.8
R10-216	56.7	60.2	55.0	27.1	57.0	75.5	77.6	66.0	59.1
R10-3185	59.5	65.5	53.4	31.4	55.2	52.5	68.6	58.6	56.0
R10-5709	55.9	61.1	62.9	31.4	49.0	60.1	66.2	76.8	58.1
S11-5727	63.9	56.6	53.5	30.4	60.6	69.5	75.7	55.4	58.2
S11-16973	63.4	61.6	61.9	35.5	54.5	71.6	72.5	65.0	60.7
S11-17054	60.3	61.0	55.4	34.3	52.9	72.7	73.2	63.9	59.2
S11-20124	61.8	62.2	55.0	34.1	60.7	69.7	73.8	69.1	60.8
S11-20321	49.4	51.4	58.2	31.8	57.0	71.2	77.6	53.7	56.3
S11-21219	56.0	59.4	50.6	32.4	51.0	53.9	70.3	62.1	54.5
TN08-101	58.8	57.8	50.9	28.6	49.2	76.8	71.4	68.8	57.4
TN11-5088	70.8	64.2	59.1	30.2	49.4	62.1	72.5	75.6	60.8
TN11-5102	69.2	60.5	50.5	30.7	54.7	70.7	78.4	74.7	61.2
TN11-5510	50.9	69.1	50.0	31.6	57.2	59.4	72.2	61.5	56.5
TN12-5015	57.9	58.5	41.5	24.0	52.3	70.9	57.4	65.1	53.4
TN12-5716	65.0	65.2	56.9	33.7	58.5	60.4	79.7	69.7	61.1
V08-0062	58.0	54.8	53.9	30.0	50.1	63.5	70.6	58.3	54.9
V09-1268	64.2	60.5	54.4	32.9	52.5	67.1	68.5	61.6	57.7
V09-1276	52.8	64.0	53.7	30.3	45.6	65.9	72.9	72.0	57.1
V09-1470	53.2	58.5	56.1	23.6	53.1	61.7	64.1	66.2	54.6
V10-2499	60.4	67.5	54.9	25.2	48.1	70.5	59.9	74.8	57.7
V10-2508	62.5	50.6	55.9	23.6	55.7	69.8	75.8	61.7	56.9
Mean	59.0	58.6	52.9	29.4	50.2	65.3	69.4	64.6	56.2
LSD(0.05)	17.2	10.5	6.7	3.0	8.8	16.1	9.1	8.5	5.4
CV(%)	14.1	8.9	6.3	5.1	8.7	11.6	6.5	6.5	11.8

**TABLE 48 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP V FOR YEAR 2013**

STRAIN/ VARIETY	Jackson, TN	Keiser, AR	McCune, KS	Pittsburg, KS	Portageville, MO(B)	Stoneville, MS	Stuttgart, AR	Warsaw, VA	Test Mean
OSAGE	.	.	20.7	.	.	22.4	.	21.6	21.9
5002T	23.1	.	21.8	.	23.7	24.0	23.6	22.4	23.1
JTN-5203	21.6	.	21.7	.	23.1	23.1	22.3	21.6	22.2
AG 5332RR2Y	22.6	.	21.6	.	22.1	22.9	22.8	22.0	22.3
95Y70	23.4	.	21.7	.	22.6	23.2	23.4	22.5	22.8
K12-1207	22.5	.	22.2	.	23.6	24.3	22.5	22.2	22.9
K12-1348	22.7	.	21.0	.	22.4	22.1	23.6	21.5	22.2
K12-1391	22.5	.	21.1	.	22.1	21.4	22.4	21.8	21.9
K12-1409	22.1	.	20.6	.	21.9	23.6	22.2	20.9	21.9
K12-1414	22.4	.	21.5	.	22.6	22.7	22.3	21.4	22.1
N09-7	22.8	.	22.3	.	22.6	22.9	22.4	21.6	22.4
N09-175	23.2	.	21.9	.	23.5	22.9	23.4	21.5	22.7
N09-13659	22.1	.	20.9	.	22.0	22.4	21.8	21.8	21.8
NLM09-77	21.0	.	20.1	.	20.6	22.6	20.6	20.6	20.9
NMS4-6-10	21.3	.	20.5	.	22.5	23.9	22.2	20.5	21.8
NMS4-19-243	21.0	.	19.7	.	20.8	20.7	21.4	20.4	20.7
R04-1250RR	22.1	.	21.5	.	22.5	22.8	22.8	21.7	22.2
R10-130RY	22.6	.	21.4	.	23.1	23.0	23.9	22.3	22.7
R10-197RY	22.6	.	21.6	.	22.6	23.2	22.8	21.8	22.4
R10-216	22.5	.	21.1	.	22.2	22.8	23.0	21.4	22.2
R10-3185	23.9	.	22.2	.	23.7	23.8	23.8	22.3	23.3
R10-5709	22.1	.	21.0	.	21.6	21.2	21.9	21.6	21.6
S11-5727	22.9	.	21.4	.	22.9	23.2	23.7	20.7	22.5
S11-16973	22.3	.	21.1	.	22.6	22.3	22.3	21.1	21.9
S11-17054	22.3	.	20.5	.	22.5	22.4	22.0	21.1	21.8
S11-20124	23.7	.	21.8	.	23.7	22.1	23.3	22.0	22.8
S11-20321	22.9	.	20.8	.	22.4	20.8	22.9	20.2	21.7
S11-21219	21.9	.	20.4	.	22.5	22.7	22.0	20.7	21.7
TN08-101	22.7	.	21.5	.	23.1	23.4	22.5	22.2	22.6
TN11-5088	21.7	.	20.8	.	21.7	22.2	21.7	21.5	21.6
TN11-5102	22.2	.	21.0	.	22.0	22.2	21.4	21.4	21.7
TN11-5510	22.4	.	21.4	.	21.9	22.3	23.5	21.1	22.1
TN12-5015	21.8	.	20.7	.	21.7	22.8	21.3	21.3	21.6
TN12-5716	22.0	.	20.5	.	21.9	23.6	21.4	21.5	21.8
V08-0062	23.2	.	22.3	.	23.8	22.7	24.0	23.0	23.2
V09-1268	23.2	.	21.6	.	23.0	23.4	23.2	22.0	22.7
V09-1276	22.4	.	20.8	.	21.7	22.1	22.1	21.2	21.7
V09-1470	22.0	.	21.1	.	22.8	22.9	21.9	21.7	22.1
V10-2499	22.0	.	21.1	.	22.5	22.7	22.5	21.5	22.0
V10-2508	22.7	.	21.5	.	22.9	23.2	22.7	21.2	22.4
Mean	22.4	.	21.2	.	22.5	22.7	22.6	21.5	.

TABLE 49 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V FOR YEAR 2013

STRAIN/ VARIETY	Jackson, TN	Keiser, AR	McCune, KS	Pittsburg, KS	Portageville, MO(B)	Stoneville, MS	Stuttgart, AR	Warsaw, VA	Test Mean
OSAGE	.	.	42.5	.	.	43.8	.	41.8	42.9
5002T	41.6	.	41.1	.	41.2	40.7	41.2	40.9	41.1
JTN-5203	42.4	.	41.2	.	40.8	40.1	42.1	41.9	41.4
AG 5332RR2Y	41.3	.	40.9	.	43.4	40.0	42.2	41.3	41.5
95Y70	40.6	.	40.4	.	40.5	39.9	40.9	40.7	40.5
K12-1207	40.5	.	40.9	.	40.9	39.5	41.4	40.8	40.7
K12-1348	40.4	.	39.4	.	40.6	40.9	39.1	40.1	40.1
K12-1391	41.4	.	41.6	.	42.3	43.9	42.6	41.0	42.1
K12-1409	41.3	.	40.8	.	42.4	39.6	42.2	41.1	41.2
K12-1414	39.9	.	40.3	.	41.3	40.0	41.9	39.9	40.5
N09-7	41.4	.	40.3	.	41.8	42.1	43.0	41.4	41.7
N09-175	39.5	.	38.8	.	39.2	41.4	40.2	40.3	39.9
N09-13659	41.3	.	41.5	.	41.1	41.8	42.8	40.9	41.6
NLM09-77	45.8	.	46.6	.	46.4	39.9	47.2	46.3	45.4
NMS4-6-10	42.3	.	40.8	.	40.2	39.6	41.7	41.8	41.1
NMS4-19-243	44.6	.	44.6	.	44.8	44.5	44.1	44.4	44.5
R04-1250RR	42.5	.	41.3	.	41.4	40.8	42.9	41.7	41.8
R10-130RY	42.2	.	41.7	.	40.6	40.3	40.6	41.3	41.1
R10-197RY	41.2	.	40.4	.	40.2	39.1	42.0	40.3	40.5
R10-216	41.7	.	42.2	.	42.0	41.2	41.7	42.0	41.8
R10-3185	40.6	.	41.1	.	40.7	40.4	41.8	41.6	41.0
R10-5709	41.8	.	41.6	.	42.6	43.2	43.4	41.8	42.4
S11-5727	40.0	.	40.7	.	40.5	39.3	40.9	42.5	40.6
S11-16973	39.9	.	39.5	.	40.3	39.9	41.2	40.4	40.2
S11-17054	39.0	.	39.4	.	40.3	39.9	41.8	40.5	40.1
S11-20124	39.5	.	38.3	.	39.3	41.2	40.6	39.9	39.8
S11-20321	38.4	.	39.0	.	39.6	47.1	41.2	42.0	41.2
S11-21219	41.8	.	40.6	.	41.3	41.1	43.1	42.7	41.8
TN08-101	42.8	.	42.1	.	41.2	39.6	42.3	41.4	41.6
TN11-5088	42.9	.	42.7	.	43.2	42.1	43.2	42.8	42.8
TN11-5102	42.1	.	43.1	.	42.8	42.2	43.0	43.0	42.7
TN11-5510	41.1	.	40.4	.	42.1	41.2	41.6	40.5	41.1
TN12-5015	43.3	.	43.5	.	43.4	40.6	44.2	43.3	43.0
TN12-5716	40.1	.	41.0	.	40.2	38.7	41.2	40.1	40.2
V08-0062	41.6	.	40.6	.	39.2	40.4	40.6	40.9	40.5
V09-1268	42.1	.	42.2	.	40.3	41.3	42.4	42.3	41.8
V09-1276	42.1	.	42.2	.	42.3	41.8	43.0	42.6	42.3
V09-1470	43.2	.	42.7	.	40.2	41.6	43.5	42.9	42.3
V10-2499	40.2	.	39.9	.	40.9	39.6	41.2	39.4	40.2
V10-2508	40.1	.	40.2	.	39.8	39.4	40.7	39.9	40.0
Mean	41.4	.	41.2	.	41.3	41.0	42.1	41.5	.

TABLE 50 - SEED SIZE IN GRAMS PER 100 SEED FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V FOR YEAR 2013

STRAIN/ VARIETY	Jackson, TN	Keiser, AR	McCune, KS	Pittsburg, KS	Portageville, MO(B)	Stoneville, MS	Stuttgart, AR	Warsaw, VA	Test Mean
OSAGE	.	.	14.8	.	.	15.1	.	11.9	14.4
5002T	15.6	.	17.2	.	15.8	16.8	18.2	15.5	16.5
JTN-5203	13.3	.	14.2	.	13.8	12.8	15.1	12.4	13.6
AG 5332RR2Y	15.5	.	18.0	.	18.4	15.2	16.2	16.5	16.6
95Y70	14.5	.	20.0	.	14.7	14.5	14.2	12.9	15.1
K12-1207	14.0	.	17.6	.	16.2	14.8	17.3	13.5	15.6
K12-1348	12.9	.	14.7	.	14.5	12.3	13.5	11.6	13.2
K12-1391	15.5	.	16.9	.	16.4	18.9	16.8	13.5	16.3
K12-1409	12.9	.	14.8	.	16.5	13.3	15.1	12.9	14.2
K12-1414	12.8	.	14.2	.	14.5	12.3	13.6	11.7	13.2
N09-7	12.3	.	13.2	.	13.8	13.1	14.8	10.8	13.0
N09-175	11.6	.	13.4	.	13.3	15.1	13.4	10.7	12.9
N09-13659	12.7	.	14.1	.	13.5	16.8	16.6	12.6	14.4
NLM09-77	17.3	.	21.1	.	21.1	11.8	23.1	18.4	18.8
NMS4-6-10	11.1	.	13.5	.	11.8	13.6	13.3	11.4	12.4
NMS4-19-243	10.3	.	11.2	.	10.8	11.5	9.5	9.2	10.4
R04-1250RR	15.0	.	17.2	.	16.7	14.1	17.4	13.6	15.6
R10-130RY	15.5	.	16.9	.	15.6	16.7	16.2	13.7	15.7
R10-197RY	15.1	.	16.9	.	16.0	15.2	16.1	12.6	15.3
R10-216	12.4	.	16.0	.	15.4	12.6	15.3	12.7	14.1
R10-3185	16.7	.	17.8	.	17.8	15.7	19.7	14.6	17.0
R10-5709	11.8	.	15.7	.	16.3	14.4	17.6	13.1	14.8
S11-5727	12.9	.	15.0	.	14.0	12.2	16.2	11.3	13.6
S11-16973	12.2	.	14.5	.	15.7	12.2	13.9	12.3	13.5
S11-17054	12.7	.	15.9	.	15.9	14.6	15.0	12.0	14.3
S11-20124	12.8	.	14.0	.	15.2	17.3	16.6	12.9	14.8
S11-20321	11.7	.	13.1	.	13.9	16.3	15.0	11.5	13.6
S11-21219	13.6	.	16.0	.	16.1	16.1	17.8	13.2	15.5
TN08-101	15.0	.	18.1	.	15.7	13.3	16.6	13.7	15.4
TN11-5088	15.6	.	15.7	.	15.2	13.2	17.3	14.5	15.2
TN11-5102	14.7	.	15.9	.	15.5	14.1	16.6	13.5	15.0
TN11-5510	14.7	.	17.0	.	18.7	14.7	16.6	14.8	16.1
TN12-5015	17.4	.	19.2	.	19.2	15.1	23.1	18.2	18.7
TN12-5716	12.2	.	14.6	.	13.7	10.8	14.2	11.5	12.8
V08-0062	15.6	.	17.8	.	17.2	14.6	17.7	14.3	16.2
V09-1268	17.7	.	18.5	.	17.6	14.6	21.2	14.9	17.4
V09-1276	13.4	.	15.7	.	15.1	10.8	16.4	13.6	14.2
V09-1470	14.2	.	17.6	.	16.6	12.4	20.1	14.5	15.9
V10-2499	12.5	.	15.6	.	15.5	13.3	17.7	12.6	14.5
V10-2508	12.8	.	15.4	.	13.4	12.5	17.0	11.0	13.7
Mean	13.8	.	16.0	.	15.5	14.1	16.5	13.2	.

TABLE 51 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR PRELIMINARY GROUP V FOR YEAR 2013

STRAIN/ VARIETY	Jackson, TN	Keiser, AR	McCune, KS	Pittsburg, KS	Portageville, MO(B)	Stoneville, MS	Stuttgart, AR	Warsaw, VA	Test Mean
OSAGE	.	10/20	.	.	.	9/30	.	10/6	10/9
5002T	.	0	.	.	.	-11	.	-5	-5
JTN-5203	.	-2	.	.	.	-12	.	-2	-5
AG 5332RR2Y	.	2	.	.	.	-10	.	-5	-4
95Y70	.	-1	.	.	.	0	.	7	2
K12-1207	.	0	.	.	.	-13	.	-3	-5
K12-1348	.	1	.	.	.	-10	.	1	-3
K12-1391	.	-2	.	.	.	-10	.	-2	-4
K12-1409	.	-1	.	.	.	-10	.	-4	-5
K12-1414	.	0	.	.	.	-9	.	-4	-4
N09-7	.	-1	.	.	.	0	.	-1	0
N09-175	.	1	.	.	.	5	.	1	2
N09-13659	.	0	.	.	.	-4	.	-1	-2
NLM09-77	.	-1	.	.	.	7	.	10	5
NMS4-6-10	.	0	.	.	.	-13	.	-6	-6
NMS4-19-243	.	-2	.	.	.	0	.	4	1
R04-1250RR	.	2	.	.	.	-10	.	2	-2
R10-130RY	.	-1	.	.	.	-10	.	-4	-5
R10-197RY	.	-1	.	.	.	0	.	0	0
R10-216	.	3	.	.	.	-2	.	-1	0
R10-3185	.	-1	.	.	.	-12	.	-4	-5
R10-5709	.	-2	.	.	.	0	.	-1	-1
S11-5727	.	3	.	.	.	-12	.	-4	-4
S11-16973	.	-3	.	.	.	-10	.	-2	-5
S11-17054	.	0	.	.	.	-11	.	-2	-4
S11-20124	.	-2	.	.	.	-10	.	-2	-5
S11-20321	.	0	.	.	.	-10	.	-2	-4
S11-21219	.	-1	.	.	.	-2	.	-5	-3
TN08-101	.	0	.	.	.	-10	.	-1	-4
TN11-5088	.	2	.	.	.	-10	.	-1	-3
TN11-5102	.	-1	.	.	.	0	.	0	0
TN11-5510	.	2	.	.	.	2	.	0	1
TN12-5015	.	-1	.	.	.	-10	.	1	-3
TN12-5716	.	0	.	.	.	0	.	3	1
V08-0062	.	-1	.	.	.	0	.	6	2
V09-1268	.	-2	.	.	.	2	.	0	0
V09-1276	.	3	.	.	.	0	.	0	1
V09-1470	.	2	.	.	.	-10	.	-4	-4
V10-2499	.	0	.	.	.	-10	.	-5	-5
V10-2508	.	1	.	.	.	0	.	-5	-1
Mean	.	0	.	.	.	-6	.	-1	.

**TABLE 52 - HEIGHT IN INCHES FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP V FOR YEAR 2013**

STRAIN/ VARIETY	Jackson, TN	Keiser, AR	McCune, KS	Pittsburg, KS	Portageville, MO(B)	Stoneville, MS	Stuttgart, AR	Warsaw, VA	Test Mean
OSAGE	.	17	25	26	.	20	.	27	21
5002T	22	27	26	25	22	22	20	31	24
JTN-5203	29	33	27	28	21	20	23	34	27
AG 5332RR2Y	36	27	31	29	29	36	34	46	33
95Y70	40	35	37	37	35	32	37	57	39
K12-1207	28	34	31	28	25	26	25	38	29
K12-1348	33	33	31	30	25	26	28	46	32
K12-1391	32	35	32	36	28	22	27	40	32
K12-1409	36	35	31	33	28	26	25	36	31
K12-1414	30	31	33	31	26	24	27	47	31
N09-7	31	28	30	26	24	24	25	29	27
N09-175	36	33	29	26	20	26	27	29	28
N09-13659	27	32	28	26	21	20	21	37	27
NLM09-77	35	33	31	31	29	30	32	49	34
NMS4-6-10	22	32	31	28	16	20	22	35	26
NMS4-19-243	34	37	30	36	29	30	35	52	35
R04-1250RR	34	36	30	29	25	26	25	43	31
R10-130RY	30	31	31	33	23	26	25	37	30
R10-197RY	33	35	31	27	24	26	25	48	31
R10-216	35	31	31	30	29	24	27	52	32
R10-3185	32	33	32	30	22	24	24	38	29
R10-5709	33	32	32	28	26	28	28	34	30
S11-5727	33	37	33	37	32	28	31	49	35
S11-16973	25	28	33	31	27	26	25	38	29
S11-17054	28	33	32	33	26	26	26	34	30
S11-20124	37	37	35	42	32	36	31	49	37
S11-20321	36	33	36	36	29	34	34	44	35
S11-21219	26	32	32	30	26	18	26	32	28
TN08-101	31	33	31	28	23	28	26	40	30
TN11-5088	31	33	32	31	26	26	27	39	31
TN11-5102	31	30	31	30	25	26	27	38	29
TN11-5510	45	36	35	33	34	58	44	55	42
TN12-5015	24	27	25	22	22	20	21	44	26
TN12-5716	32	34	32	31	27	30	35	44	33
V08-0062	36	35	31	28	27	33	33	43	33
V09-1268	32	34	32	28	27	28	29	44	32
V09-1276	28	32	29	30	26	28	27	36	29
V09-1470	29	31	31	28	24	26	22	40	29
V10-2499	30	36	27	28	26	26	27	33	29
V10-2508	34	35	33	30	27	26	26	34	31
Mean	31	33	31	30	26	27	27	40	.

**TABLE 53 - LODGING SCORE FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP V FOR YEAR 2013**

STRAIN/ VARIETY	Jackson, TN	Keiser, AR	McCune, KS	Pittsburg, KS	Portageville, MO(B)	Stoneville, MS	Stuttgart, AR	Warsaw, VA	Test Mean
OSAGE	.	1.0	1.0	1.0	.	2.0	.	1.8	1.2
5002T	1.0	2.0	2.0	1.0	1.0	2.0	1.0	2.9	1.6
JTN-5203	1.0	1.0	1.0	1.0	1.0	2.0	1.0	3.3	1.4
AG 5332RR2Y	2.0	1.0	1.0	1.0	1.0	3.0	2.0	2.8	1.7
95Y70	3.0	2.0	2.0	1.0	1.5	2.0	2.0	3.3	2.1
K12-1207	1.0	2.0	1.0	1.0	1.0	2.0	1.0	2.8	1.5
K12-1348	2.0	2.0	1.5	1.0	2.0	2.0	1.0	3.7	1.9
K12-1391	2.5	2.0	2.0	1.0	1.0	2.0	1.0	3.2	1.8
K12-1409	2.5	3.0	2.5	1.0	1.0	2.0	1.0	3.5	2.1
K12-1414	2.5	3.0	4.0	2.0	2.0	2.0	1.0	3.4	2.5
N09-7	2.5	2.5	1.0	1.0	1.0	2.0	1.0	2.8	1.7
N09-175	3.0	2.0	1.5	1.0	1.0	2.0	1.0	3.9	1.9
N09-13659	1.5	1.5	1.0	1.0	1.0	2.0	1.0	2.7	1.4
NLM09-77	2.0	2.0	1.0	1.0	1.0	2.0	1.0	2.9	1.6
NMS4-6-10	1.5	2.0	2.0	1.0	1.0	2.0	1.0	3.1	1.7
NMS4-19-243	4.0	3.0	2.0	2.0	2.5	2.0	3.0	4.1	2.9
R04-1250RR	2.0	2.0	1.0	1.0	1.0	2.0	1.0	3.3	1.7
R10-130RY	1.5	2.0	1.0	1.0	1.5	2.0	1.0	3.1	1.6
R10-197RY	1.5	2.0	1.0	1.0	1.5	2.0	1.0	2.7	1.6
R10-216	3.5	2.5	2.5	1.0	2.0	2.0	1.0	3.7	2.3
R10-3185	2.0	2.0	1.0	1.0	1.0	2.0	1.0	3.4	1.7
R10-5709	3.0	3.0	2.0	1.0	1.5	2.0	1.5	3.5	2.2
S11-5727	4.0	3.0	2.5	1.5	3.0	2.0	1.0	3.7	2.6
S11-16973	1.5	2.0	2.0	1.0	2.0	2.0	1.0	3.7	1.9
S11-17054	3.0	2.0	2.0	1.0	3.5	2.0	1.0	3.2	2.2
S11-20124	4.0	3.0	4.0	3.0	2.5	4.0	2.0	3.7	3.2
S11-20321	3.5	2.5	2.0	1.0	2.5	2.0	1.0	3.2	2.2
S11-21219	4.0	3.0	3.0	2.0	3.0	2.0	1.0	3.3	2.7
TN08-101	1.0	2.0	2.0	1.0	1.0	2.0	1.0	2.3	1.5
TN11-5088	1.0	2.5	1.5	1.0	1.0	2.0	1.0	2.8	1.6
TN11-5102	1.0	2.5	1.5	1.0	1.0	2.0	1.0	2.8	1.6
TN11-5510	2.0	1.0	1.0	1.0	1.0	3.0	2.0	2.2	1.6
TN12-5015	1.0	1.5	1.0	1.0	1.0	2.0	1.0	3.0	1.4
TN12-5716	2.0	2.5	2.0	1.0	2.5	2.0	1.5	2.8	2.0
V08-0062	2.5	2.0	1.0	1.0	1.0	2.0	2.0	2.9	1.8
V09-1268	1.5	2.0	1.0	1.0	1.0	2.0	1.0	2.2	1.5
V09-1276	1.0	2.0	2.0	1.0	1.5	2.0	1.0	3.1	1.7
V09-1470	1.0	2.5	1.0	1.0	1.5	2.0	1.0	3.5	1.7
V10-2499	1.5	2.0	1.0	1.0	1.5	2.0	1.0	3.3	1.7
V10-2508	1.0	2.0	2.0	1.0	2.0	2.0	1.5	3.1	1.8
Mean	2.1	2.1	1.7	1.1	1.5	2.1	1.2	3.1	.

**TABLE 54 - SEED QUALITY SCORE FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP V FOR YEAR 2013**

STRAIN/ VARIETY	Jackson, TN	Keiser, AR	McCune, KS	Pittsburg, KS	Portageville, MO(B)	Stoneville, MS	Stuttgart, AR	Warsaw, VA	Test Mean
OSAGE	.	.	2.0	.	.	2.0	.	1.5	2.1
5002T	2.0	.	1.0	.	3.0	2.0	2.0	1.5	1.9
JTN-5203	1.0	.	1.0	.	3.0	2.0	2.0	1.5	1.7
AG 5332RR2Y	2.0	.	1.0	.	4.0	2.0	2.5	1.7	2.2
95Y70	1.0	.	1.0	.	3.0	2.0	1.5	1.5	1.7
K12-1207	2.0	.	2.0	.	4.0	2.0	2.0	1.5	2.3
K12-1348	1.0	.	1.0	.	3.0	2.0	1.5	1.5	1.7
K12-1391	1.5	.	1.0	.	3.5	2.0	2.0	1.5	1.9
K12-1409	1.0	.	2.0	.	3.0	2.0	1.5	1.5	1.9
K12-1414	1.0	.	1.0	.	3.0	2.0	2.0	1.5	1.7
N09-7	1.0	.	1.0	.	3.0	2.0	1.5	1.5	1.7
N09-175	1.0	.	1.0	.	2.5	2.0	1.5	1.5	1.6
N09-13659	1.0	.	2.0	.	2.5	2.0	1.0	1.5	1.7
NLM09-77	1.0	.	1.0	.	3.0	2.0	2.0	1.8	1.8
NMS4-6-10	1.0	.	1.0	.	2.0	2.0	4.0	1.4	1.8
NMS4-19-243	1.5	.	2.0	.	3.5	2.0	2.0	1.7	2.1
R04-1250RR	1.0	.	1.0	.	2.5	2.0	2.0	1.7	1.7
R10-130RY	1.0	.	1.0	.	2.5	2.0	2.0	1.5	1.7
R10-197RY	1.0	.	1.0	.	3.0	2.0	2.0	1.5	1.7
R10-216	1.0	.	1.0	.	2.5	2.0	1.5	1.5	1.6
R10-3185	2.0	.	1.0	.	2.0	2.0	3.0	1.5	1.9
R10-5709	1.0	.	1.0	.	2.5	2.0	2.5	1.4	1.7
S11-5727	1.5	.	2.0	.	2.5	2.0	2.5	1.5	2.0
S11-16973	2.0	.	2.0	.	3.5	2.0	2.5	1.5	2.3
S11-17054	2.0	.	1.0	.	3.0	2.0	2.5	1.5	2.0
S11-20124	2.0	.	2.0	.	3.0	2.0	3.0	1.5	2.2
S11-20321	2.0	.	1.0	.	2.5	2.0	2.0	1.5	1.8
S11-21219	2.0	.	1.0	.	3.5	2.0	2.0	1.7	2.0
TN08-101	1.5	.	1.0	.	3.0	2.0	2.0	1.5	1.8
TN11-5088	1.0	.	1.0	.	3.0	2.0	1.5	1.5	1.7
TN11-5102	1.0	.	1.0	.	2.5	2.0	1.5	1.5	1.6
TN11-5510	2.0	.	1.0	.	3.0	2.0	3.0	1.5	2.1
TN12-5015	2.0	.	2.0	.	2.0	2.0	2.5	1.5	2.0
TN12-5716	1.0	.	1.0	.	2.0	2.0	1.5	1.5	1.5
V08-0062	1.0	.	1.0	.	3.0	2.0	1.5	1.5	1.7
V09-1268	1.0	.	1.0	.	3.0	2.0	2.5	1.7	1.8
V09-1276	1.0	.	2.0	.	3.0	2.0	2.0	1.7	2.0
V09-1470	2.0	.	2.0	.	3.5	2.0	2.5	1.5	2.3
V10-2499	1.0	.	1.0	.	3.0	2.0	3.0	1.5	1.9
V10-2508	1.0	.	2.0	.	3.0	2.0	2.0	1.5	1.9
Mean	1.4	.	1.3	.	2.9	2.0	2.1	1.5	.

TABLE 55 - PARENTAGE OF STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2013

	STRAIN/VARIETY	PARENTAGE	Fn	SPECIAL TRAITS
1	DILLON	Centennial x Young		
2	AGS606RR	Commercial check		
3	NC-ROY	Holladay X Brim		
4	NCC06-1090	N99-8137xTN99-117		
5	N06-06	N99-510 X G98-1053		
6	N07-187	5601T X N00-370		
7	N08-145	N99-186 X TN99-117		
8	N08-374	S99-1171 X N00-370		
9	N10-7121	ROY X 398833-BB	F4	DIV
10	N10-7143	ROY X 398976-BB	F4	DIV
11	N10-7254	ROY X 408339-BB	F4	DIV
12	NCC07-7961	Md 99-6226x(N97-9677)	F4:8	
13	NCC07-8138	Md 99-6226x(N97-9677)	F4:8	
14	NCC09-135			
15	NCC09-1603			
16	NCC09-200720-1-31			
17	R06-4475	R98-3267F x R97-1832	F5	
18	R07-6669	Lonoke x R00-33	F6	
19	R07-10322	R97-1634 x V00-3824	F6	
20	R09-1822	UA 4805 x R01-4747RR	F4	
21	R09-5088	5002T x UA 4805	F5	
22	SC06-007RR	SC98-1850/SC00-892RR	F5	LJ
23	TN08-100	5601T x PI417088		
24	TN08-114	TN02-303 x S98-1375		
25	TN09-44,420	TN02-226 x MON RR2Y		RR2Y

**TABLE 56 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY
GROWN IN UNIFORM TEST VI FOR YEAR 2013**

STRAIN/ VARIETY	AVERAGE		YIELD ‡			PROTEIN			OIL		
	RANK	RANK	2013	12-13	11-13	2013	12-13	11-13	2013	12-13	11-13
DILLON	21	16	53.7	51.8	50.3	42.0	41.8	41.9	22.6	22.4	22.0
AGS606RR	20	15	54.2	52.9	50.9	43.3	43.1	42.9	22.0	21.8	21.7
NC-ROY	12	11	57.0	54.2	53.7	41.6	41.8	42.0	21.7	21.4	21.2
NCC06-1090	.	.	.	57.1	53.3	39.9	39.4	39.5	23.4	23.4	23.0
N06-06	7	10	59.0	57.2	55.2	40.4	40.3	40.4	23.3	23.0	22.6
N07-187	8	10	58.7	56.5	.	41.2	40.9	.	22.9	22.8	.
N08-145	13	13	56.9	56.0	.	40.4	40.1	.	22.9	22.7	.
N08-374	11	13	57.3	.	.	41.1	.	.	23.4	.	.
N10-7121	18	14	55.5	.	.	41.9	.	.	21.7	.	.
N10-7143	19	14	55.2	.	.	41.6	.	.	21.9	.	.
N10-7254	23	20	48.4	.	.	39.8	.	.	22.3	.	.
NCC07-7961	24	22	33.4	43.8	.	40.5	40.2	.	23.2	23.0	.
NCC07-8138	1	6	63.0	61.0	57.6	40.0	39.7	39.8	22.8	22.8	22.6
NCC09-135	2	6	62.3	.	.	41.0	.	.	22.9	.	.
NCC09-1603	14	13	56.7	.	.	40.8	.	.	22.4	.	.
NCC09-200720-1-31	16	13	56.1	.	.	43.2	.	.	22.0	.	.
R06-4475	4	9	59.5	58.0	.	41.0	40.5	.	22.7	22.6	.
R07-6669	10	11	58.1	57.6	.	41.1	40.7	.	22.4	22.2	.
R07-10322	9	11	58.6	57.8	55.7	41.6	41.2	41.1	22.9	22.8	22.6
R09-1822	3	8	60.6	.	.	41.6	.	.	22.3	.	.
R09-5088	15	14	56.2	.	.	42.3	.	.	22.0	.	.
SC06-007RR	22	17	53.0	51.4	.	42.4	42.2	.	23.0	22.9	.
TN08-100	6	12	59.1	.	.	40.9	.	.	23.1	.	.
TN08-114	17	13	56.0	54.9	.	38.7	38.4	.	22.8	22.7	.
TN09-44,420	5	9	59.3	.	.	39.4	.	.	22.5	.	.
Mean	.	.	56.2	.	.	41.1	.	.	22.6	.	.
LSD(0.05)	.	.	5.6	.	.	0.9	.	.	0.4	.	.
CV(%)	.	.	14.3	.	.	2.0	.	.	1.9	.	.

‡Data not included in mean: 2013 – Tallassee, AL(A)
2012 – Tifton, GA
2011 – Keiser, AR; Fairhope, AL

TABLE 57 - GENERAL SUMMARY OF BOTANICAL TRAITS FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VI FOR YEAR 2013

STRAIN/ VARIETY	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	FL. COLOR	PUB. COLOR	POD COLOR
DILLON	0	1.7	37	1.4	14.9	P	G	T
AGS606RR	-1	1.5	32	1.7	15.4	W	T	T
NC-ROY	2	2.3	35	1.4	12.9	W	G	BR
NCC06-1090	2	1.4	27	1.7	18.0	P	G	BR
N06-06	1	1.5	31	1.7	13.4	W	T	
N07-187	4	2.0	34	1.5	14.4	W	G	
N08-145	-3	1.6	28	1.7	15.6	P	T	
N08-374	1	1.6	29	1.6	15.0	P	G	
N10-7121	2	2.2	34	1.5	14.0	W	G	
N10-7143	2	2.3	33	1.4	13.7	W	G	
N10-7254	2	2.8	35	1.4	11.5	W	G	
NCC07-7961	-5	1.3	21	1.8	17.5	P	G	t
NCC07-8138	-2	1.5	26	1.6	16.7	P	G	t
NCC09-135	0	1.5	28	1.7	14.4	P		
NCC09-1603	1	2.0	32	1.5	12.8	P		
NCC09-200720-1	-2	1.4	30	1.3	12.8	P		
R06-4475	-1	1.9	33	1.5	14.4	W	G	T
R07-6669	-2	2.0	34	1.6	13.7	W	G	T
R07-10322	-2	1.7	32	1.6	15.9	W	G	T
R09-1822	-2	1.5	29	1.5	13.5	P	G	Br
R09-5088	-3	1.7	35	1.5	12.8	P	G	T
SC06-007RR	-1	1.9	34	1.7	18.1	P	G	T
TN08-100	-4	1.5	30	1.5	16.4	W	G	
TN08-114	-3	1.3	29	1.5	15.2	W	T	
TN09-44,420	0	1.7	31	1.4	13.0	P	G	
Mean	-1	1.8	31	1.5	14.6			
LSD(0.05)	2	0.3	2	0.3	1.0			
CV(%)	386	29.0	10	25.0	8.1			

**TABLE 58 - GENERAL SUMMARY OF PEST REACTION FOR STRAIN/VARIETY
GROWN IN UNIFORM TEST VI FOR YEAR 2013**

STRAIN/ VARIETY	SCN HG TYPE	SCN HG TYPE	SCN HG TYPE	PRK GA	SRK GA	SC RATING	SC SCORE	SDS DX
	1.2.5.7 Race 2	5.7 Race 3	2.5.7 Race 5					
DILLON	5	5	5	4.3	1.0	4.0	MS	.
AGS606RR	5	4	5	4.5	4.5	3.0	SS	.
NC-ROY	5	4	5	5.0	5.0	4.0	MS	.
NCC06-1090	5	4	5	4.8	2.8	.		.
N06-06	5	3	5	5.0	1.5	4.0	MS	.
N07-187	5	4	5	3.5	2.8	4.0	MS	.
N08-145	5	4	5	5.0	3.8	1.0	R	.
N08-374	5	4	5	5.0	5.0	4.0	MS	.
N10-7121	5	4	5	4.8	2.3	4.0	MS	.
N10-7143	5	4	5	2.5	3.3	4.0	MS	.
N10-7254	5	4	5	4.0	3.5	4.0	MS	.
NCC07-7961	5	5	5	2.8	3.0	.		.
NCC07-8138	5	4	5	4.0	5.0	4.0	MS	.
NCC09-135	5	5	5	4.5	4.5	1.0	R	.
NCC09-1603	5	4	3	4.5	5.0	4.0	MS	.
NCC09-200720-1-	5	5	5	4.3	5.0	1.0	R	.
R06-4475	5	5	5	4.8	1.8	4.0	MS	.
R07-6669	5	4	5	4.0	5.0	2.0	MR	.
R07-10322	5	4	5	2.3	1.3	2.0	MR	.
R09-1822	5	5	5	5.0	4.5	1.0	R	.
R09-5088	5	3	5	4.5	5.0	1.0	R	.
SC06-007RR	4	4	5	4.5	4.8	1.0	R	.
TN08-100	5	4	5	4.8	4.8	1.0	R	.
TN08-114	1	3	2	4.0	5.0	1.0	R	.
TN09-44,420	2	3	3	4.3	5.0	3.0	SS	.

TABLE 59 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VI FOR YEAR 2013

Delta

STRAIN/ VARIETY	Keiser, AR	Stoneville, MS	Stuttgart, AR	Area Mean
DILLON	59.1	62.6	65.3	62.3
AGS606RR	58.6	65.4	68.4	64.2
NC-ROY	59.8	47.8	82.5	63.4
NCC06-1090	.	.	.	.
N06-06	59.7	73.0	80.0	71.2
N07-187	65.2	55.2	82.7	67.7
N08-145	59.3	58.4	73.4	63.7
N08-374	61.8	69.6	66.2	65.9
N10-7121	53.9	54.7	77.5	62.0
N10-7143	58.0	47.9	77.4	61.1
N10-7254	47.1	37.5	67.2	50.6
NCC07-7961	38.0	17.5	25.3	26.7
NCC07-8138	71.9	73.0	74.7	73.2
NCC09-135	63.8	66.4	79.9	70.0
NCC09-1603	59.3	70.5	73.9	68.1
NCC09-200720-1-31	61.9	68.4	73.9	68.0
R06-4475	60.1	74.2	72.3	68.9
R07-6669	57.3	65.8	75.1	66.0
R07-10322	62.4	66.4	69.0	65.9
R09-1822	58.9	74.6	76.9	70.1
R09-5088	62.8	67.6	74.8	68.4
SC06-007RR	51.1	62.4	71.4	61.6
TN08-100	56.9	74.3	72.2	67.8
TN08-114	63.4	65.1	63.9	64.1
TN09-44,420	66.9	71.1	74.9	71.0
Mean	59.0	62.1	71.6	64.2
LSD(0.05)	6.9	10.5	8.3	11.3
CV(%)	6.9	10.3	7.0	12.6

TABLE 59 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VI FOR YEAR 2013

East

STRAIN/ VARIETY	Plymouth, NC	Area Mean
DILLON	49.5	49.5
AGS606RR	48.7	48.7
NC-ROY	54.4	54.4
NCC06-1090	.	.
N06-06	49.8	49.8
N07-187	47.9	47.9
N08-145	58.8	58.8
N08-374	60.6	60.6
N10-7121	49.9	51.0
N10-7143	57.0	57.0
N10-7254	46.9	46.9
NCC07-7961	42.3	40.0
NCC07-8138	59.0	59.0
NCC09-135	68.9	68.2
NCC09-1603	46.9	46.9
NCC09-200720-1-31	50.8	50.8
R06-4475	57.2	57.2
R07-6669	61.0	61.0
R07-10322	66.4	66.4
R09-1822	52.2	52.2
R09-5088	54.1	54.1
SC06-007RR	67.3	66.9
TN08-100	58.9	58.9
TN08-114	59.1	59.1
TN09-44,420	59.6	59.6
Mean	55.3	55.2
LSD(0.05)	9.6	.
CV(%)	9.9	9.9

TABLE 59 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VI FOR YEAR 2013

South

STRAIN/ VARIETY	Athens, GA(A)	Belle Mina, AL	Calhoun, GA	Fairhope, AL	Florence, SC	Tallassee, ‡ AL(A)	Tifton, GA	Area Mean
DILLON	62.7	51.6	35.7	69.4	54.6	43.9	35.0	51.5
AGS606RR	67.8	57.4	40.0	61.1	17.2	49.7	50.7	53.5
NC-ROY	64.9	63.6	35.7	74.0	55.3	36.7	42.0	55.9
NCC06-1090	.	.	.	.	.	.	.	.
N06-06	64.9	61.0	41.7	66.4	46.7	51.5	53.3	55.7
N07-187	60.8	61.0	42.3	62.7	56.4	59.5	64.7	58.0
N08-145	64.1	48.1	35.0	69.9	53.9	37.6	60.3	55.2
N08-374	60.7	59.4	34.7	72.6	53.7	45.8	50.0	55.2
N10-7121	60.0	56.8	34.0	71.8	57.2	46.8	45.3	54.2
N10-7143	60.2	59.0	32.0	73.4	48.7	40.6	46.3	53.3
N10-7254	49.7	53.9	29.7	64.0	55.0	32.0	37.3	48.3
NCC07-7961	.	48.1	35.3	25.8	26.7	5.9	49.7	38.7
NCC07-8138	70.2	63.6	44.0	72.1	50.0	39.2	65.0	60.8
NCC09-135	71.8	71.3	42.0	69.9	56.6	51.9	47.3	59.8
NCC09-1603	60.5	54.2	44.3	66.2	56.1	46.6	41.0	53.7
NCC09-200720-1-31	56.2	55.8	46.0	65.6	56.9	38.8	41.0	53.6
R06-4475	67.4	64.5	43.7	74.5	43.5	55.9	53.0	57.8
R07-6669	64.6	61.3	37.7	68.6	49.0	46.8	48.0	54.9
R07-10322	62.6	59.4	41.7	69.7	41.8	45.0	50.3	54.2
R09-1822	65.0	64.5	40.3	71.0	47.3	45.9	53.3	56.9
R09-5088	65.9	54.5	38.7	62.1	48.0	24.5	50.0	53.2
SC06-007RR	56.2	49.0	29.7	52.7	50.8	29.1	51.7	48.4
TN08-100	61.6	54.5	51.0	68.3	40.4	53.6	62.0	58.8
TN08-114	68.4	47.1	44.7	69.4	48.7	48.6	51.0	54.9
TN09-44,420	68.5	47.1	36.3	68.6	53.7	17.4	55.7	55.0
Mean	63.3	57.0	39.0	66.3	48.7	41.4	50.2	54.2
LSD(0.05)	7.6	7.7	6.6	7.1	13.4	14.8	11.4	.
CV(%)	7.3	8.2	10.2	6.5	15.1	21.8	13.8	.

‡Data not included in mean.

TABLE 59 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VI FOR YEAR 2013

West

STRAIN/ VARIETY	Bossier City, LA	Area Mean
DILLON	45.6	45.6
AGS606RR	50.3	50.3
NC-ROY	46.5	46.5
NCC06-1090	.	.
N06-06	52.4	52.4
N07-187	47.2	47.2
N08-145	45.1	45.1
N08-374	41.1	41.1
N10-7121	49.3	49.3
N10-7143	47.5	47.5
N10-7254	44.0	44.0
NCC07-7961	19.9	23.1
NCC07-8138	49.6	49.6
NCC09-135	48.4	48.4
NCC09-1603	50.5	50.5
NCC09-200720-1-31	41.0	41.0
R06-4475	44.0	44.0
R07-6669	51.3	51.3
R07-10322	55.6	55.6
R09-1822	62.3	62.3
R09-5088	39.6	39.6
SC06-007RR	42.2	42.2
TN08-100	45.8	45.8
TN08-114	35.1	35.1
TN09-44,420	49.7	49.7
Mean	46.0	46.1
LSD(0.05)	11.4	.
CV(%)	15.0	.

**TABLE 60 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN
UNIFORM GROUP VI FOR YEAR 2013**

STRAIN/ VARIETY	Athens, GA(A)	Fairhope, AL	Florence, SC	Plymouth, NC	Stoneville, MS	Stuttgart, AR	Tallassee, AL(A)	Test Mean
DILLON	23.2	23.2	22.4	22.1	22.7	22.7	21.8	22.6
AGS606RR	22.3	22.6	22.1	21.1	22.3	22.0	21.9	22.0
NC-ROY	22.2	22.4	21.7	21.5	21.7	21.8	20.5	21.7
NCC06-1090	23.7	23.5	23.5	23.6	23.0	22.8	23.6	23.4
N06-06	23.3	23.5	22.9	22.2	24.1	23.5	23.4	23.3
N07-187	23.4	23.8	23.0	22.2	22.3	22.9	22.5	22.9
N08-145	23.2	23.6	23.4	21.7	23.0	22.5	22.8	22.9
N08-374	23.7	23.3	23.1	22.9	23.5	23.7	23.4	23.4
N10-7121	22.1	22.5	22.2	20.9	21.9	21.4	21.2	21.7
N10-7143	22.3	22.6	22.0	21.3	22.2	21.5	21.3	21.9
N10-7254	22.8	22.9	22.1	21.8	21.3	22.0	23.2	22.3
NCC07-7961	.	22.5	23.1	23.0	23.3	23.3	23.8	23.2
NCC07-8138	22.9	22.8	22.9	21.8	22.9	23.2	23.3	22.8
NCC09-135	22.9	22.8	23.1	22.5	23.5	22.3	23.1	22.9
NCC09-1603	22.6	23.1	22.7	21.3	22.6	22.1	22.6	22.4
NCC09-200720-1-31	21.8	22.1	22.0	21.0	22.0	22.9	21.9	22.0
R06-4475	22.9	23.0	22.1	22.3	23.0	22.5	23.1	22.7
R07-6669	22.3	23.1	22.1	21.6	22.5	22.8	22.5	22.4
R07-10322	22.7	23.5	22.7	22.6	23.3	22.4	23.0	22.9
R09-1822	22.4	22.8	21.9	21.8	22.6	21.4	22.9	22.3
R09-5088	21.7	22.8	21.6	20.9	21.3	22.8	22.6	22.0
SC06-007RR	22.7	23.5	23.0	23.1	22.8	22.7	23.4	23.0
TN08-100	22.8	23.8	23.8	22.5	23.1	22.6	23.1	23.1
TN08-114	22.6	23.1	22.6	22.4	22.9	22.9	23.0	22.8
TN09-44,420	22.2	23.0	22.3	21.6	22.5	.	23.1	22.4
Mean	22.7	23.0	22.6	22.0	22.7	22.5	22.7	.

**TABLE 61 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN
UNIFORM GROUP VI FOR YEAR 2013**

STRAIN/ VARIETY	Athens, GA(A)	Fairhope, AL	Florence, SC	Plymouth, NC	Stoneville, MS	Stuttgart, AR	Tallassee, AL(A)	Test Mean
DILLON	39.9	42.7	42.5	41.8	41.9	41.9	43.1	42.0
AGS606RR	41.7	43.2	43.4	44.0	42.8	43.6	44.3	43.3
NC-ROY	40.5	42.5	42.0	41.1	41.7	40.8	42.8	41.6
NCC06-1090	38.3	40.0	40.0	37.7	41.5	41.1	40.7	39.9
N06-06	39.1	42.5	40.9	40.0	39.1	40.0	40.9	40.4
N07-187	40.8	41.3	41.1	41.3	41.7	40.7	41.5	41.2
N08-145	39.0	40.4	40.4	40.4	40.5	41.7	40.1	40.4
N08-374	39.8	42.1	41.5	41.1	40.8	40.9	41.8	41.1
N10-7121	41.1	41.9	41.5	42.8	41.7	42.4	41.9	41.9
N10-7143	40.5	41.7	41.8	42.2	40.5	42.1	42.1	41.6
N10-7254	38.2	41.7	40.7	39.9	40.6	40.0	37.2	39.8
NCC07-7961	.	41.7	40.7	38.6	40.0	41.2	40.8	40.4
NCC07-8138	39.6	40.2	40.4	40.1	39.9	39.7	40.1	40.0
NCC09-135	40.2	41.4	41.4	41.1	40.5	42.0	40.4	41.0
NCC09-1603	39.3	41.1	40.6	40.9	39.1	43.3	41.6	40.8
NCC09-200720-1-31	42.9	44.5	43.4	43.4	43.2	40.6	44.7	43.2
R06-4475	40.4	41.3	42.9	40.4	39.8	41.5	40.8	41.0
R07-6669	40.5	41.1	42.0	40.8	39.7	41.9	41.4	41.1
R07-10322	40.9	42.4	42.7	41.9	40.5	40.7	42.2	41.6
R09-1822	40.1	42.1	42.9	40.9	40.5	42.8	41.9	41.6
R09-5088	41.6	41.9	42.6	42.9	42.6	42.8	41.7	42.3
SC06-007RR	42.3	42.9	42.9	42.7	42.8	42.2	41.1	42.4
TN08-100	41.0	40.7	40.3	40.8	40.7	39.9	43.1	40.9
TN08-114	38.6	39.7	38.6	38.0	38.0	39.1	39.2	38.7
TN09-44,420	39.2	39.1	40.1	38.4	39.6	.	40.2	39.5
Mean	40.2	41.6	41.5	40.9	40.8	41.4	41.4	.

TABLE 62 - SIZE (GRAMS PER 100 SEED) FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2013

STRAIN/ VARIETY	Athens, GA(A)	Belle Mina, AL	Bossier City, LA	Calhoun, GA	Fairhope, AL	Florence, SC	Keiser, AR	Plymouth, NC	Stoneville, MS	Stuttgart, AR	Tallassee, AL(A)	Tifton, GA	Test Mean
DILLON	16.4	12.5	14.4	14.0	19.0	16.5	.	14.8	13.7	17.7	13.8	11.2	14.9
AGS606RR	16.9	14.8	12.8	15.2	18.3	16.2	.	14.5	14.9	18.6	15.7	12.0	15.4
NC-ROY	14.5	12.4	11.8	11.2	17.2	13.1	.	12.6	10.7	15.7	11.3	11.1	12.9
NCC06-1090	18.6	14.3	19.0	14.2	22.8	19.4	.	16.3	18.5	21.1	18.8	15.0	18.0
N06-06	14.8	10.9	13.7	13.0	16.3	15.1	.	11.8	12.5	15.8	12.6	11.2	13.4
N07-187	15.5	12.2	18.2	12.6	17.1	14.6	.	12.7	13.4	15.9	13.0	13.8	14.4
N08-145	16.7	11.5	16.2	13.7	19.4	16.8	.	14.4	17.4	17.9	13.7	14.3	15.6
N08-374	15.7	12.0	17.0	13.5	19.3	15.2	.	13.9	13.7	16.7	15.0	12.6	15.0
N10-7121	15.3	12.6	14.1	12.3	17.7	15.2	.	12.2	14.4	16.2	12.2	11.7	14.0
N10-7143	14.7	12.2	16.1	11.3	17.1	13.4	.	11.8	14.3	15.3	12.2	11.9	13.7
N10-7254	11.5	10.3	13.7	10.6	15.1	11.7	.	10.7	10.7	12.8	9.8	9.2	11.5
NCC07-7961	.	10.6	20.5	15.1	20.4	18.4	.	15.6	23.7	18.7	17.2	13.9	17.5
NCC07-8138	17.3	11.9	18.1	15.5	21.9	19.0	.	15.0	12.8	19.1	17.5	15.6	16.7
NCC09-135	14.6	11.8	18.1	12.5	18.3	15.0	.	13.0	14.4	16.4	13.7	11.1	14.4
NCC09-1603	14.0	12.2	10.8	12.0	17.2	13.9	.	11.8	11.6	14.1	13.2	10.3	12.8
NCC09-200720-1-31	13.3	10.1	12.8	12.5	15.6	13.6	.	11.7	11.2	15.5	13.6	10.8	12.8
R06-4475	15.2	10.9	14.5	13.2	17.8	16.1	.	13.3	14.5	15.6	15.1	12.2	14.4
R07-6669	14.9	10.9	15.4	12.2	16.9	15.7	.	13.4	11.3	15.7	13.9	10.9	13.7
R07-10322	17.1	11.4	14.3	14.8	20.9	19.2	.	15.8	14.4	17.0	17.4	13.0	15.9
R09-1822	13.7	10.6	15.1	12.5	16.5	15.6	.	11.9	12.9	14.7	13.6	11.2	13.5
R09-5088	12.7	10.1	16.0	12.1	16.1	14.0	.	12.7	12.2	13.1	11.9	10.2	12.8
SC06-007RR	19.7	15.6	20.1	17.3	19.2	20.6	.	18.5	16.3	20.1	15.8	16.3	18.1
TN08-100	15.9	11.0	18.3	16.1	19.1	16.9	.	16.3	14.5	19.2	17.9	15.2	16.4
TN08-114	16.6	11.7	14.8	14.5	19.2	15.6	.	15.2	13.5	17.3	15.6	12.8	15.2
TN09-44,420	14.3	10.9	13.4	12.1	15.0	14.2	.	11.7	12.6	14.4	12.9	11.4	13.0
Mean	15.4	11.8	15.6	13.4	18.1	15.8	.	13.7	14.0	16.6	14.3	12.4	.

TABLE 63 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2013

Delta

STRAIN/ VARIETY	Keiser, AR	Stoneville, MS	Stuttgart, AR	Area Mean
DILLON	10/27	10/8	10/3	10/12
AGS606RR	-1	-5	-3	-3
NC-ROY	-1	-1	1	0
NCC06-1090	-2	0	0	-1
N06-06	-1	-1	0	-1
N07-187	-2	-2	1	-1
N08-145	-2	-7	-4	-4
N08-374	-2	-7	0	-3
N10-7121	-2	-3	1	-1
N10-7143	-1	-2	1	-1
N10-7254	0	-5	1	-1
NCC07-7961	-1	-3	-8	-4
NCC07-8138	-2	-7	-3	-4
NCC09-135	-2	-3	1	-1
NCC09-1603	-2	4	-2	0
NCC09-200720-1-31	-2	-2	-3	-2
R06-4475	-1	-7	-5	-4
R07-6669	-2	-7	-4	-4
R07-10322	-3	-7	-5	-5
R09-1822	-1	-7	-3	-4
R09-5088	-2	-5	-4	-4
SC06-007RR	-1	-5	-7	-4
TN08-100	-2	-6	-7	-5
TN08-114	-2	-6	-9	-6
TN09-44,420	-2	-1	1	-1
Mean	-2	-4	-2	-3

TABLE 63 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2013

East

STRAIN/ VARIETY	Plymouth, NC	Area Mean
DILLON	10/15	10/15
AGS606RR	-2	-2
NC-ROY	2	2
NCC06-1090	1	1
N06-06	-2	-2
N07-187	1	1
N08-145	-2	-2
N08-374	0	0
N10-7121	1	1
N10-7143	1	1
N10-7254	3	3
NCC07-7961	-5	-5
NCC07-8138	-2	-2
NCC09-135	1	1
NCC09-1603	-2	-2
NCC09-200720-1-31	-3	-3
R06-4475	-2	-2
R07-6669	-3	-3
R07-10322	-2	-2
R09-1822	-4	-4
R09-5088	-1	-1
SC06-007RR	-3	-3
TN08-100	-4	-4
TN08-114	-3	-3
TN09-44,420	1	1
Mean	-1	-1

TABLE 63 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2013

South

STRAIN/ VARIETY	Athens, GA(A)	Belle Mina, AL	Calhoun, GA	Fairhope, AL	Florence, SC	Tallassee, AL(A)	Tifton, GA	Area Mean
DILLON	10/10	10/7	10/6	10/12	10/14	10/7	9/22	10/7
AGS606RR	-1	0	-3	-1	-4	1	5	0
NC-ROY	2	3	2	2	-2	3	5	2
NCC06-1090	1	0	-1	4	2	5	13	3
N06-06	0	-1	0	2	-1	3	11	2
N07-187	4	5	2	2	4	7	17	6
N08-145	-2	-5	-7	1	-4	-1	-4	-3
N08-374	0	-2	-2	1	0	3	12	2
N10-7121	2	2	2	1	-4	3	12	3
N10-7143	1	2	2	1	1	3	13	4
N10-7254	1	2	3	1	1	3	6	2
NCC07-7961	.	-12	-10	1	-5	-4	-3	-6
NCC07-8138	-2	-5	-5	2	0	1	3	-1
NCC09-135	-2	-1	-5	3	-3	3	5	0
NCC09-1603	1	4	3	2	3	1	3	2
NCC09-200720-1-31	-4	-2	-7	1	-5	0	3	-2
R06-4475	-1	-5	-3	3	0	1	4	0
R07-6669	-2	-4	-3	-1	-4	-1	3	-2
R07-10322	-1	-6	-2	3	2	0	1	0
R09-1822	-3	-5	-5	2	-2	-1	2	-2
R09-5088	-6	-6	-5	-1	-1	-3	1	-3
SC06-007RR	-3	0	0	-1	-1	6	2	0
TN08-100	-6	-10	-9	-1	-8	-1	4	-4
TN08-114	-1	-8	-9	1	-7	-1	4	-3
TN09-44,420	-2	0	-3	1	-1	1	4	0
Mean	-1	-2	-3	1	-2	1	5	0

TABLE 63 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2013

West

STRAIN/ VARIETY	Bossier City, LA	Area Mean
DILLON	9/26	9/26
AGS606RR	-2	-2
NC-ROY	3	3
NCC06-1090	-2	-3
N06-06	-1	-1
N07-187	5	5
N08-145	-2	-2
N08-374	1	1
N10-7121	5	5
N10-7143	3	3
N10-7254	2	2
NCC07-7961	-2	-2
NCC07-8138	-1	-1
NCC09-135	3	3
NCC09-1603	5	5
NCC09-200720-1-31	-1	-1
R06-4475	-1	-1
R07-6669	-1	-1
R07-10322	-2	-2
R09-1822	-2	-2
R09-5088	1	1
SC06-007RR	-2	-2
TN08-100	-1	-1
TN08-114	-3	-3
TN09-44,420	-1	-1
Mean	0	0

TABLE 64 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2013

Delta

STRAIN/ VARIETY	Keiser, AR	Stoneville, MS	Stuttgart, AR	Area Mean
DILLON	39	30	30	33
AGS606RR	37	26	27	30
NC-ROY	38	31	34	34
NCC06-1090	33	22	22	26
N06-06	32	24	27	28
N07-187	36	36	31	34
N08-145	27	20	24	24
N08-374	35	26	23	28
N10-7121	34	32	33	33
N10-7143	36	36	32	34
N10-7254	35	39	35	36
NCC07-7961	26	24	14	21
NCC07-8138	30	26	22	26
NCC09-135	29	26	24	27
NCC09-1603	34	30	27	30
NCC09-200720-1-31	32	24	24	27
R06-4475	33	32	30	32
R07-6669	38	24	31	32
R07-10322	32	26	27	29
R09-1822	33	24	27	28
R09-5088	40	32	34	36
SC06-007RR	36	38	28	33
TN08-100	32	28	28	29
TN08-114	32	26	24	27
TN09-44,420	34	28	30	31
Mean	34	28	28	.

TABLE 64 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2013

East

STRAIN/ VARIETY	Plymouth, NC	Area Mean
DILLON	44	44
AGS606RR	34	34
NC-ROY	44	44
NCC06-1090	29	29
N06-06	35	35
N07-187	38	38
N08-145	30	30
N08-374	35	35
N10-7121	40	40
N10-7143	40	40
N10-7254	41	41
NCC07-7961	25	25
NCC07-8138	32	32
NCC09-135	32	32
NCC09-1603	34	34
NCC09-200720-1-31	33	33
R06-4475	39	39
R07-6669	42	42
R07-10322	39	39
R09-1822	30	30
R09-5088	39	39
SC06-007RR	35	35
TN08-100	34	34
TN08-114	37	37
TN09-44,420	37	37
Mean	36	.

TABLE 64 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2013

South

STRAIN/ VARIETY	Athens, GA(A)	Belle Mina, AL	Calhoun, GA	Fairhope, AL	Florence, SC	Tallassee, AL(A)	Tifton, GA	Area Mean
DILLON	42	44	51	39	34	33	38	40
AGS606RR	36	37	43	37	22	29	34	34
NC-ROY	33	34	47	34	31	32	37	35
NCC06-1090	33	31	39	23	28	17	33	29
N06-06	39	37	39	35	27	30	33	34
N07-187	37	41	47	35	33	26	33	36
N08-145	36	36	40	30	20	22	34	31
N08-374	33	37	39	32	23	23	30	31
N10-7121	33	39	46	33	30	30	39	36
N10-7143	33	39	43	32	30	25	36	34
N10-7254	35	41	43	32	32	29	37	36
NCC07-7961	.	28	28	19	14	15	22	22
NCC07-8138	31	33	35	28	19	18	27	27
NCC09-135	33	35	39	24	23	26	27	30
NCC09-1603	34	36	42	29	29	31	34	34
NCC09-200720-1-31	35	37	38	34	27	24	29	32
R06-4475	37	38	43	34	29	29	35	35
R07-6669	38	40	49	32	26	34	37	36
R07-10322	34	37	45	33	24	27	34	33
R09-1822	32	35	40	29	24	22	33	31
R09-5088	42	42	45	34	27	26	33	36
SC06-007RR	40	40	46	35	33	26	39	37
TN08-100	34	35	39	35	21	27	34	32
TN08-114	31	35	40	27	23	28	32	31
TN09-44,420	39	36	40	32	27	23	34	33
Mean	36	37	42	32	26	26	33	.

TABLE 64 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2013

West

STRAIN/ VARIETY	Bossier City, LA	Area Mean
DILLON	20	20
AGS606RR	17	17
NC-ROY	21	21
NCC06-1090	14	16
N06-06	18	18
N07-187	18	18
N08-145	17	17
N08-374	17	17
N10-7121	21	21
N10-7143	20	20
N10-7254	23	23
NCC07-7961	14	15
NCC07-8138	14	14
NCC09-135	14	14
NCC09-1603	21	21
NCC09-200720-1-31	17	17
R06-4475	19	19
R07-6669	19	19
R07-10322	18	18
R09-1822	19	19
R09-5088	20	20
SC06-007RR	18	18
TN08-100	18	18
TN08-114	15	15
TN09-44,420	17	17
Mean	18	.

TABLE 65 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2013

Delta

STRAIN/ VARIETY	Keiser, AR	Stoneville, MS	Stuttgart, AR	Area Mean
DILLON	2.0	3.0	1.0	1.7
AGS606RR	2.0	2.0	1.0	1.6
NC-ROY	3.0	2.0	2.0	2.4
NCC06-1090	1.3	2.0	1.0	1.3
N06-06	2.0	2.0	1.0	1.6
N07-187	2.3	2.0	2.0	2.1
N08-145	2.0	2.0	1.0	1.6
N08-374	2.0	2.0	1.0	1.6
N10-7121	3.0	2.0	1.7	2.3
N10-7143	3.0	2.0	2.0	2.4
N10-7254	3.0	5.0	2.7	3.1
NCC07-7961	1.7	3.0	1.0	1.6
NCC07-8138	2.3	2.0	1.0	1.7
NCC09-135	2.7	2.0	1.0	1.9
NCC09-1603	2.7	2.0	1.0	1.9
NCC09-200720-1-31	2.0	2.0	1.0	1.6
R06-4475	2.7	2.0	1.7	2.1
R07-6669	2.0	2.0	1.3	1.7
R07-10322	2.0	2.0	1.0	1.6
R09-1822	2.0	2.0	1.0	1.6
R09-5088	2.3	2.0	1.0	1.7
SC06-007RR	2.0	2.0	1.0	1.6
TN08-100	2.0	2.0	1.0	1.6
TN08-114	2.0	2.0	1.0	1.6
TN09-44,420	2.0	2.0	1.3	1.7
Mean	2.2	2.2	1.3	.

TABLE 65 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2013

East

STRAIN/ VARIETY	Plymouth, NC	Area Mean
DILLON	2.2	2.2
AGS606RR	2.0	2.0
NC-ROY	3.5	3.5
NCC06-1090	1.2	1.2
N06-06	2.2	2.2
N07-187	2.7	2.7
N08-145	2.3	2.3
N08-374	2.0	2.0
N10-7121	3.0	3.0
N10-7143	3.2	3.2
N10-7254	3.8	3.8
NCC07-7961	1.2	1.2
NCC07-8138	1.7	1.7
NCC09-135	2.2	2.2
NCC09-1603	1.8	1.8
NCC09-200720-1-31	1.5	1.5
R06-4475	2.8	2.8
R07-6669	3.0	3.0
R07-10322	2.5	2.5
R09-1822	1.3	1.3
R09-5088	2.8	2.8
SC06-007RR	2.0	2.0
TN08-100	1.8	1.8
TN08-114	1.7	1.7
TN09-44,420	2.3	2.3
Mean	2.3	.

**TABLE 65 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN
UNIFORM GROUP VI FOR YEAR 2013**

South

STRAIN/ VARIETY	Athens, GA(A)	Belle Mina, AL	Calhoun, GA	Fairhope, AL	Florence, SC	Tallassee, AL(A)	Tifton, GA	Area Mean
DILLON	2.0	2.0	1.8	2.0	2.2	1.0	1.0	1.7
AGS606RR	1.0	2.0	1.8	2.0	1.5	1.0	1.0	1.5
NC-ROY	3.7	2.7	3.0	2.0	1.9	1.0	2.0	2.3
NCC06-1090	2.0	1.7	1.0	1.7	2.0	1.0	1.0	1.5
N06-06	1.0	1.3	1.2	2.3	1.8	1.0	1.0	1.4
N07-187	3.3	2.3	2.3	2.0	1.9	1.0	1.0	2.0
N08-145	2.0	1.3	1.8	2.3	1.5	1.0	1.0	1.6
N08-374	2.0	2.0	1.8	1.7	1.8	1.0	1.0	1.6
N10-7121	3.7	2.7	2.2	2.0	1.9	1.0	2.3	2.3
N10-7143	3.7	3.0	3.0	2.0	2.0	1.0	2.0	2.4
N10-7254	4.3	2.3	2.5	2.7	2.9	1.7	2.0	2.6
NCC07-7961	.	1.3	1.0	1.3	1.0	1.0	1.0	1.1
NCC07-8138	1.0	2.0	1.7	1.7	1.8	1.0	1.0	1.4
NCC09-135	1.3	1.7	1.8	1.0	1.8	1.0	1.0	1.4
NCC09-1603	3.7	3.3	3.0	2.0	1.9	1.0	1.0	2.3
NCC09-200720-1-31	1.3	1.3	1.2	1.7	1.5	1.0	1.0	1.3
R06-4475	2.3	2.0	2.3	2.0	2.3	1.0	1.0	1.9
R07-6669	2.7	2.7	2.3	2.0	1.7	1.0	2.0	2.0
R07-10322	2.3	2.0	1.5	2.0	1.8	1.0	1.3	1.7
R09-1822	1.7	1.7	1.5	2.0	1.7	1.0	1.3	1.5
R09-5088	1.7	2.0	1.8	1.7	1.5	1.0	1.0	1.5
SC06-007RR	1.7	1.7	3.5	3.0	2.0	1.0	1.3	2.0
TN08-100	1.7	1.7	1.7	1.7	1.0	1.0	1.0	1.4
TN08-114	1.0	1.3	1.0	1.7	1.3	1.0	1.0	1.2
TN09-44,420	1.7	2.0	2.3	1.7	2.0	1.0	1.0	1.7
Mean	2.2	2.0	2.0	1.9	1.8	1.0	1.3	.

TABLE 65 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2013

West

STRAIN/ VARIETY	Bossier City, LA	Area Mean
DILLON	1.0	1.0
AGS606RR	1.0	1.0
NC-ROY	1.0	1.0
NCC06-1090	1.0	1.0
N06-06	1.0	1.0
N07-187	1.0	1.0
N08-145	1.0	1.0
N08-374	1.0	1.0
N10-7121	1.0	1.0
N10-7143	1.0	1.0
N10-7254	1.0	1.0
NCC07-7961	1.0	1.0
NCC07-8138	1.0	1.0
NCC09-135	1.0	1.0
NCC09-1603	1.0	1.0
NCC09-200720-1-31	1.0	1.0
R06-4475	1.0	1.0
R07-6669	1.0	1.0
R07-10322	1.0	1.0
R09-1822	1.0	1.0
R09-5088	1.0	1.0
SC06-007RR	1.0	1.0
TN08-100	1.0	1.0
TN08-114	1.0	1.0
TN09-44,420	1.0	1.0
Mean	1.0	.

TABLE 66 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2013

Delta

STRAIN/ VARIETY	Keiser, AR	Stoneville, MS	Stuttgart, AR	Area Mean
DILLON	.	2.0	1.0	1.5
AGS606RR	.	2.0	3.0	2.5
NC-ROY	.	2.0	1.0	1.5
NCC06-1090	.	2.0	2.0	2.0
N06-06	.	2.0	2.0	2.0
N07-187	.	2.0	1.5	1.8
N08-145	.	2.0	1.5	1.8
N08-374	.	2.0	2.0	2.0
N10-7121	.	2.0	1.0	1.5
N10-7143	.	2.0	1.5	1.8
N10-7254	.	2.0	1.0	1.5
NCC07-7961	.	2.0	1.5	1.8
NCC07-8138	.	2.0	1.5	1.8
NCC09-135	.	2.0	2.5	2.3
NCC09-1603	.	2.0	1.5	1.8
NCC09-200720-1-31	.	2.0	1.0	1.5
R06-4475	.	2.0	1.5	1.8
R07-6669	.	2.0	2.0	2.0
R07-10322	.	2.0	2.0	2.0
R09-1822	.	2.0	1.5	1.8
R09-5088	.	2.0	2.0	2.0
SC06-007RR	.	2.0	1.5	1.8
TN08-100	.	2.0	1.5	1.8
TN08-114	.	2.0	1.5	1.8
TN09-44,420	.	2.0	1.5	1.8
Mean	.	2.0	1.6	.

**TABLE 66 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN
UNIFORM GROUP VI FOR YEAR 2013**

South

STRAIN/ VARIETY	Athens, GA(A)	Belle Mina, AL	Calhoun, GA	Fairhope, AL	Florence, SC	Tallassee, AL(A)	Tifton, GA	Area Mean
DILLON	1.0	1.1	1.7	1.4	1.8	1.7	1.3	1.4
AGS606RR	1.0	1.2	1.5	1.8	2.5	1.6	1.7	1.6
NC-ROY	1.0	1.1	1.7	1.4	1.5	1.4	2.2	1.5
NCC06-1090	1.0	1.6	1.2	1.5	2.8	1.8	1.8	1.7
N06-06	1.3	1.6	1.5	1.8	2.7	1.3	1.8	1.7
N07-187	1.3	1.8	1.7	1.4	2.2	1.0	1.3	1.5
N08-145	1.7	1.4	1.5	1.7	2.5	1.5	2.0	1.7
N08-374	1.3	1.3	1.5	1.6	1.8	1.6	1.8	1.6
N10-7121	1.0	1.4	1.5	1.2	2.3	1.4	1.8	1.5
N10-7143	1.0	1.2	1.5	1.1	1.7	1.3	1.3	1.3
N10-7254	1.0	1.1	1.8	1.3	2.3	1.1	1.5	1.4
NCC07-7961	.	1.1	1.3	1.9	2.8	2.8	1.8	1.9
NCC07-8138	1.7	1.0	1.3	1.4	2.5	1.6	2.0	1.6
NCC09-135	2.0	1.0	1.8	1.5	1.7	1.3	2.3	1.7
NCC09-1603	1.3	1.3	1.5	1.4	1.5	1.2	2.2	1.5
NCC09-200720-1-31	1.0	1.0	1.3	1.2	1.5	1.3	1.5	1.3
R06-4475	2.0	1.0	1.7	1.1	2.0	1.3	1.3	1.5
R07-6669	2.0	1.0	1.5	1.5	2.0	1.8	1.5	1.6
R07-10322	2.0	1.1	1.3	1.1	2.5	1.4	1.8	1.6
R09-1822	2.0	1.2	1.7	1.6	1.8	1.4	1.2	1.5
R09-5088	1.0	1.1	1.3	1.5	1.8	1.4	1.7	1.4
SC06-007RR	2.0	1.3	2.2	2.0	1.7	1.4	2.2	1.8
TN08-100	1.0	1.0	1.5	1.2	2.0	2.3	1.3	1.5
TN08-114	1.7	1.0	1.3	1.7	1.7	1.2	2.3	1.6
TN09-44,420	1.0	1.0	1.5	1.4	1.5	1.3	2.0	1.4
Mean	1.4	1.2	1.5	1.5	2.0	1.5	1.8	.

TABLE 66 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2013

West

STRAIN/ VARIETY	Bossier City, LA	Area Mean
DILLON	1.0	1.0
AGS606RR	1.0	1.0
NC-ROY	1.0	1.0
NCC06-1090	1.0	1.0
N06-06	1.0	1.0
N07-187	1.0	1.0
N08-145	1.0	1.0
N08-374	1.0	1.0
N10-7121	1.0	1.0
N10-7143	1.3	1.3
N10-7254	1.0	1.0
NCC07-7961	1.0	1.0
NCC07-8138	1.0	1.0
NCC09-135	1.0	1.0
NCC09-1603	1.0	1.0
NCC09-200720-1-31	1.0	1.0
R06-4475	1.0	1.0
R07-6669	1.0	1.0
R07-10322	1.0	1.0
R09-1822	1.0	1.0
R09-5088	1.0	1.0
SC06-007RR	1.0	1.0
TN08-100	1.0	1.0
TN08-114	1.0	1.0
TN09-44,420	1.0	1.0
Mean	1.0	.

**TABLE 67 - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI
FOR YEAR 2013**

	STRAIN/VARIETY	PARENTAGE	Fn	SPECIAL TRAITS
1	DILLON	Centennial x Young		
2	AGS606RR	Commercial check		
3	NC-ROY	Holladay X Brim		
4	NCC06-1090	N99-8137xTN99-117		
5	G10-2479 RR	BOGGS-RR X R01-3637F	F8d	
6	G10-3192 RR	G03-1668-RR X [G00-3209 x G01-PR68(Rpp?Hyyuga)]F2	F6d	
7	G10-3429 RR	N02-219 X G03-1668-RR	F6d	
8	LLL05-14	FAM94-41-3 x N98-		
9	N04-05-N41	NC-Royx (NC-		
10	N09-9	N02-70XG98-1420		
11	N10-7189	ROY X PI 408337-BB	F4	DIV
12	N10-7277	N03-11936 X NC-ROY	F4	DIV
13	N11-411	NC-Royx (NC-RoyxCX1834)		
14	N11-7060	NC-Roy X LD00-3309	F4	DIV
15	N11-7090	NC-Roy X LD00-3309	F4	DIV
16	N11-7125	NC-Roy X LD00-3309	F4	DIV
17	N11-8086	SC97-1821 x MN0302	F4	DIV
18	N11-8488	NC-Roy x PI 417021-BB	F4	DIV
19	N11-9298	N03-12249 xN03-11895	F4	DIV
20	R09-4798	V00-3650 x FG-5	F5	
21	R10-1663	R01-976 x R03-946	F3	
22	R10-2465	R01-81 x R02-6232F	F3	
23	R10-4892	5002T x R01-3474F	F4	
24	R10-5595	R01-3474F x R02-3263RR	F3	
25	R10-7339RR	UA 4805 x R01-4747RR	F5	
26	TCWN05/06-5045	Cook x SC97-1821	F4	RESISTANT TO MN DEF
27	TN09- 48,012	TN02-226 x MON RR2Y		RR2Y
28	TN11-5140	HUTCHESON x TN89-39		
29	TN12-6509	TN02-226 x MON RR2Y		RR2Y

**TABLE 68 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY
GROWN IN PRELIMINARY TEST VI FOR YEAR 2013**

STRAIN/ VARIETY	SEED		AVG. RANK	MAT. INDEX	LODGING	HEIGHT	SEED		% PROTEIN	% OIL	HG TYPE			SC RATING	SC SCORE	FL COLOR	PUB. COLOR	POD COLOR
	YIELD	RANK					QUALITY	SIZE			1.2.5.7 Race 2	5.7 Race 3	2.5.7 Race 5					
DILLON	61.1	13	14	0	1.6	37	1.5	14.5	42.5	22.0	4	5	5	MS	4	P	G	T
AGS606RR	66.0	5	8	-1	1.8	31	2.0	16.4	43.6	21.7	4	4	5	SS	3	W	T	T
NC-ROY	57.9	18	14	0	2.6	35	1.5	13.0	42.1	21.3	5	5	5	MS	4	W	G	Br
NCC06-1090	.	.	.	0	1.7	26	1.8	17.0	40.3	23.1	3	.	5	.	.	P	G	Br
G10-2479 RR	55.9	23	18	2	2.2	33	1.3	13.1	42.9	21.7	2	1	3	R	1	W	T	T
G10-3192 RR	48.2	27	26	1	2.3	37	1.8	15.4	42.8	21.6	3	2	3	R	1	P	G	T
G10-3429 RR	63.4	9	10	-1	1.8	33	1.9	15.1	40.6	23.6	3	1	4	R	1	P	T	T
LLL05-14	57.7	19	18	0	1.7	30	1.7	13.7	42.9	20.8	5	5	5	R	1	W	G	
N04-05-N41	57.2	20	19	-2	1.5	29	1.5	15.0	42.8	20.5	5	5	5	S	5	W	G	
N09-9	63.5	8	10	2	2.2	32	2.1	13.6	39.8	23.0	5	3	5	R	1	W	T	
N10-7189	58.2	17	15	0	2.5	35	1.7	13.1	42.5	21.0	5	3	5	SS	3	W	G	
N10-7277	56.2	22	17	1	1.8	30	1.4	10.9	42.8	20.5	5	4	5	S	5	W	G	
N11-411	55.5	24	20	-1	2.9	35	1.5	15.3	40.8	22.1	5	5	5	S	5	W	G	
N11-7060	60.0	16	14	-1	1.7	30	1.7	12.3	42.4	21.7	5	5	5	SS	3	W	G	
N11-7090	60.9	14	14	0	1.6	30	1.9	13.3	42.3	20.5	4	2	5	SS	3	W	G	
N11-7125	61.5	12	13	-1	1.5	26	1.9	10.8	41.8	20.5	5	4	5	R	1	P	G	
N11-8086	46.7	28	26	3	1.9	33	2.0	16.0	43.0	21.9	4	4	5	R	1	P	G	
N11-8488	53.9	25	19	0	2.7	35	1.7	13.7	42.5	21.6	3	5	5	R	1	W	G	
N11-9298	66.5	3	9	0	1.5	32	2.1	16.2	40.3	23.6	4	5	5	MS	4	P	G	
R09-4798	68.6	1	9	-3	1.6	32	2.3	16.2	42.4	23.2	5	4	5	MS	4	W	G	T
R10-1663	65.3	6	8	1	1.7	35	1.8	15.0	41.1	23.2	5	5	5	R	1	P	G	T
R10-2465	60.3	15	14	-1	2.8	35	2.0	14.5	40.5	22.8	5	4	5	S	5	P	G	T
R10-4892	66.3	4	10	-2	1.8	30	2.3	13.8	39.8	23.6	5	3	5	R	1	W	G	T
R10-5595	63.0	11	14	-1	1.7	32	2.0	14.3	41.2	22.8	5	3	5	R	1	P	G	T
R10-7339RR	63.4	10	13	-2	1.7	32	2.2	14.2	42.5	21.6	5	4	5	S	5	P	G	S
TCWN05/06-5045	51.8	26	24	2	1.9	33	2.3	19.2	44.7	20.7	5	5	5	R	1	W	T	
TN09- 48,012	64.6	7	8	-1	1.6	29	1.6	14.1	41.1	22.2	5	5	5	S	5	P	T	
TN11-5140	67.1	2	5	0	1.8	35	1.7	15.6	41.4	22.4	5	5	5	R	1	W	G	
TN12-6509	57.2	21	17	1	1.8	32	1.8	15.3	42.6	21.0	1	2	2	R	1	P	T	
Mean	59.9	.	.	0	1.9	32	1.8	14.5	41.9	21.9	.	.	.	.	.			
LSD(0.05)	8.8	.	.	2	.	3	0.6	1.6	1.3	0.7	.	.	.	.	.			
CV(%)	11.8	.	.	-2000	.	10	21.1	7.8	1.8	2.0	.	.	.	.	.			

TABLE 69 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI FOR YEAR 2013

STRAIN/ VARIETY	Keiser, AR	Plymouth, NC	Stoneville, MS	Stuttgart, AR	Tallassee, ‡ AL(A)	Test Mean
DILLON	63.8	55.1	58.0	67.6	36.6	61.1
AGS606RR	66.4	52.8	67.8	77.1	45.3	66.0
NC-ROY	63.8	50.8	35.6	81.3	38.6	57.9
NCC06-1090	.	.	.	.	.	.
G10-2479 RR	49.6	59.3	45.8	71.1	52.2	55.9
G10-3192 RR	50.6	36.4	41.3	64.4	50.6	48.2
G10-3429 RR	65.8	58.2	53.8	76.0	57.5	63.4
LLL05-14	57.2	58.7	47.2	67.9	33.3	57.7
N04-05-N41	58.0	53.0	49.3	68.4	28.8	57.2
N09-9	63.3	57.3	54.9	78.6	51.4	63.5
N10-7189	59.7	56.6	39.2	77.6	45.5	58.2
N10-7277	59.7	44.8	38.3	82.0	37.3	56.2
N11-411	53.7	58.4	44.0	66.0	49.2	55.5
N11-7060	64.8	56.0	50.0	69.2	29.0	60.0
N11-7090	59.0	50.7	56.3	77.6	53.2	60.9
N11-7125	61.4	58.6	53.1	73.1	20.7	61.5
N11-8086	42.0	42.9	42.2	59.8	58.9	46.7
N11-8488	61.7	41.5	36.0	76.5	37.6	53.9
N11-9298	62.7	60.4	71.6	71.2	25.6	66.5
R09-4798	62.6	68.8	70.3	72.7	26.0	68.6
R10-1663	64.6	61.6	61.4	73.6	60.4	65.3
R10-2465	58.4	48.4	55.4	79.2	45.4	60.3
R10-4892	63.6	56.0	72.6	73.1	34.9	66.3
R10-5595	59.5	50.6	65.7	76.2	52.3	63.0
R10-7339RR	57.4	57.8	62.8	75.8	32.5	63.4
TCWN05/06-5045	56.2	44.7	45.6	61.0	40.1	51.8
TN09- 48,012	64.3	63.0	56.1	74.9	24.1	64.6
TN11-5140	69.6	58.5	62.0	78.5	46.6	67.1
TN12-6509	65.1	48.3	45.1	70.3	11.9	57.2
Mean	60.1	53.9	52.9	72.9	40.2	59.9
LSD(0.05)	6.9	12.8	9.6	9.5	23.9	8.8
CV(%)	5.6	11.2	8.8	6.4	36.4	11.8

‡Data not included in mean: 2013 – Tallassee, AL(A)

**TABLE 70 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP VI FOR YEAR 2013**

STRAIN/ VARIETY	Keiser, AR	Plymouth, NC	Stoneville, MS	Stuttgart, AR	Tallassee, AL(A)	Test Mean
DILLON	.	21.3	22.6	22.0	.	22.0
AGS606RR	.	20.9	22.4	21.9	.	21.7
NC-ROY	.	21.0	21.5	21.5	.	21.3
NCC06-1090	.	23.3	22.7	23.4	.	23.1
G10-2479 RR	.	21.9	21.3	21.8	.	21.7
G10-3192 RR	.	21.4	21.8	21.7	.	21.6
G10-3429 RR	.	23.0	23.8	23.9	.	23.6
LLL05-14	.	20.5	21.1	20.9	.	20.8
N04-05-N41	.	19.6	21.5	20.5	.	20.5
N09-9	.	23.3	22.8	22.8	.	23.0
N10-7189	.	21.3	21.0	20.8	.	21.0
N10-7277	.	20.1	20.2	21.1	.	20.5
N11-411	.	21.7	22.6	22.0	.	22.1
N11-7060	.	21.5	22.1	21.5	.	21.7
N11-7090	.	19.6	21.1	20.9	.	20.5
N11-7125	.	19.7	21.5	20.4	.	20.5
N11-8086	.	21.2	21.7	22.7	.	21.9
N11-8488	.	21.2	21.7	22.0	.	21.6
N11-9298	.	23.6	24.1	23.1	.	23.6
R09-4798	.	23.1	23.6	23.0	.	23.2
R10-1663	.	23.2	23.5	22.9	.	23.2
R10-2465	.	22.5	23.0	23.0	.	22.8
R10-4892	.	23.2	23.9	23.8	.	23.6
R10-5595	.	21.7	23.5	23.2	.	22.8
R10-7339RR	.	21.1	22.1	21.6	.	21.6
TCWN05/06-5045	.	20.6	20.3	21.3	.	20.7
TN09- 48,012	.	22.0	22.4	22.1	.	22.2
TN11-5140	.	22.1	22.8	22.2	.	22.4
TN12-6509	.	20.9	21.0	21.1	.	21.0
Mean	.	21.6	22.2	22.0	.	.

TABLE 71 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI FOR YEAR 2013

STRAIN/ VARIETY	Keiser, AR	Plymouth, NC	Stoneville, MS	Stuttgart, AR	Tallassee, AL(A)	Test Mean
DILLON	.	41.9	42.9	42.8	.	42.5
AGS606RR	.	44.4	42.9	43.4	.	43.6
NC-ROY	.	42.3	42.7	41.3	.	42.1
NCC06-1090	.	38.6	41.8	40.5	.	40.3
G10-2479 RR	.	42.0	43.7	43.1	.	42.9
G10-3192 RR	.	42.3	42.9	43.1	.	42.8
G10-3429 RR	.	40.2	41.1	40.4	.	40.6
LLL05-14	.	42.7	43.2	42.7	.	42.9
N04-05-N41	.	43.0	41.5	43.8	.	42.8
N09-9	.	39.2	40.0	40.2	.	39.8
N10-7189	.	41.1	43.4	43.0	.	42.5
N10-7277	.	43.3	43.7	41.5	.	42.8
N11-411	.	40.1	41.1	41.1	.	40.8
N11-7060	.	41.5	43.3	42.4	.	42.4
N11-7090	.	42.7	42.5	41.7	.	42.3
N11-7125	.	42.0	41.7	41.6	.	41.8
N11-8086	.	43.6	43.4	42.0	.	43.0
N11-8488	.	42.7	43.1	41.7	.	42.5
N11-9298	.	39.8	40.3	40.9	.	40.3
R09-4798	.	41.5	42.6	43.1	.	42.4
R10-1663	.	40.5	40.8	42.1	.	41.1
R10-2465	.	40.7	40.1	40.7	.	40.5
R10-4892	.	40.0	39.5	40.0	.	39.8
R10-5595	.	41.2	40.6	41.7	.	41.2
R10-7339RR	.	42.0	42.2	43.2	.	42.5
TCWN05/06-5045	.	43.8	46.1	44.1	.	44.7
TN09- 48,012	.	40.1	41.1	42.1	.	41.1
TN11-5140	.	41.7	41.4	41.2	.	41.4
TN12-6509	.	41.7	44.0	42.2	.	42.6
Mean	.	41.6	42.2	42.0	.	.

TABLE 72 - SEED SIZE IN GRAMS PER 100 SEED FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI FOR YEAR 2013

STRAIN/ VARIETY	Keiser, AR	Plymouth, NC	Stoneville, MS	Stuttgart, AR	Tallassee, AL(A)	Test Mean
DILLON	.	13.6	11.9	17.8	14.6	14.5
AGS606RR	.	15.9	14.0	20.2	15.6	16.4
NC-ROY	.	11.8	12.5	15.8	12.1	13.0
NCC06-1090	.	16.6	14.6	19.1	17.8	17.0
G10-2479 RR	.	11.8	13.0	14.4	13.1	13.1
G10-3192 RR	.	14.9	12.4	18.0	16.3	15.4
G10-3429 RR	.	14.1	12.5	17.5	16.4	15.1
LLL05-14	.	12.6	13.5	15.3	13.5	13.7
N04-05-N41	.	14.9	13.2	17.8	14.2	15.0
N09-9	.	13.1	13.1	14.9	13.3	13.6
N10-7189	.	11.5	12.6	16.0	12.2	13.1
N10-7277	.	9.9	9.3	13.3	10.9	10.9
N11-411	.	13.5	15.0	18.4	14.1	15.3
N11-7060	.	11.9	11.9	13.2	12.1	12.3
N11-7090	.	12.6	13.4	15.2	12.1	13.3
N11-7125	.	9.8	12.2	11.4	9.6	10.8
N11-8086	.	14.8	13.3	20.6	15.3	16.0
N11-8488	.	13.0	12.8	16.0	13.1	13.7
N11-9298	.	14.6	14.7	19.4	16.2	16.2
R09-4798	.	16.1	17.0	17.2	14.5	16.2
R10-1663	.	15.2	11.8	16.6	16.3	15.0
R10-2465	.	14.6	12.5	16.3	14.7	14.5
R10-4892	.	12.9	13.2	14.3	15.0	13.8
R10-5595	.	12.6	14.5	15.7	14.4	14.3
R10-7339RR	.	13.6	12.7	16.3	14.4	14.2
TCWN05/06-5045	.	16.9	15.8	23.6	20.6	19.2
TN09- 48,012	.	13.9	12.5	15.9	14.0	14.1
TN11-5140	.	14.6	14.5	16.6	16.6	15.6
TN12-6509	.	15.2	13.4	18.5	14.1	15.3
Mean	.	13.6	13.2	16.7	14.3	.

TABLE 73 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR PRELIMINARY GROUP VI FOR YEAR 2013

STRAIN/ VARIETY	Keiser, AR	Plymouth, NC	Stoneville, MS	Stuttgart, AR	Tallassee, AL(A)	Test Mean
DILLON	10/24	10/15	10/6	10/2	10/9	10/11
AGS606RR	1	-2	-2	-1	-1	-1
NC-ROY	0	1	-1	1	0	0
NCC06-1090	-2	1	1	-1	2	0
G10-2479 RR	-1	4	0	2	6	2
G10-3192 RR	0	2	-4	-2	7	1
G10-3429 RR	-1	-3	-2	0	1	-1
LLL05-14	0	-1	-2	0	1	0
N04-05-N41	0	-1	-6	-3	-3	-2
N09-9	-1	2	2	-1	6	2
N10-7189	1	2	-5	1	2	0
N10-7277	0	0	-5	1	5	1
N11-411	0	1	-5	1	-1	-1
N11-7060	-1	0	-5	-2	-1	-1
N11-7090	0	2	-5	2	1	0
N11-7125	1	0	-5	0	0	-1
N11-8086	1	4	-5	6	6	3
N11-8488	-1	1	-2	2	1	0
N11-9298	0	-1	-3	0	1	0
R09-4798	-1	-3	-1	-2	-5	-3
R10-1663	0	3	-2	0	3	1
R10-2465	-1	0	-1	-2	-1	-1
R10-4892	-1	-4	1	-5	-3	-2
R10-5595	-1	-2	-2	-1	-1	-1
R10-7339RR	0	-2	-2	-2	-5	-2
TCWN05/06-5045	-1	-1	2	4	6	2
TN09- 48,012	0	2	-2	0	-3	-1
TN11-5140	-1	1	-2	0	3	0
TN12-6509	-1	3	-3	3	-1	1
Mean	0	0	-2	0	1	.

**TABLE 74 - HEIGHT IN INCHES FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP VI FOR YEAR 2013**

STRAIN/ VARIETY	Keiser, AR	Plymouth, NC	Stoneville, MS	Stuttgart, AR	Tallassee, AL(A)	Test Mean
DILLON	42	43	36	32	30	36
AGS606RR	37	39	30	27	24	31
NC-ROY	43	42	25	36	26	35
NCC06-1090	32	31	20	23	19	25
G10-2479 RR	37	41	25	33	27	33
G10-3192 RR	41	44	36	35	29	37
G10-3429 RR	36	39	28	28	30	33
LLL05-14	35	35	32	24	24	30
N04-05-N41	35	37	24	27	22	29
N09-9	35	39	34	28	27	32
N10-7189	37	43	32	33	27	34
N10-7277	34	36	32	29	23	30
N11-411	38	42	32	34	29	35
N11-7060	34	37	30	28	22	30
N11-7090	33	36	26	26	26	30
N11-7125	31	34	24	24	18	26
N11-8086	35	41	36	32	26	33
N11-8488	39	40	36	38	26	35
N11-9298	38	37	36	27	23	31
R09-4798	35	41	30	29	23	31
R10-1663	39	40	42	32	26	35
R10-2465	41	41	36	35	25	35
R10-4892	34	36	36	28	20	30
R10-5595	35	38	36	29	25	32
R10-7339RR	36	34	40	28	27	32
TCWN05/06-5045	35	37	42	32	24	33
TN09- 48,012	35	36	32	26	20	29
TN11-5140	35	43	36	33	28	35
TN12-6509	31	37	36	32	25	32
Mean	36	38	32	30	25	.

**TABLE 75 - LODGING SCORE FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP VI FOR YEAR 2013**

STRAIN/ VARIETY	Keiser, AR	Plymouth, NC	Stoneville, MS	Stuttgart, AR	Tallassee, AL(A)	Test Mean
DILLON	2.0	1.7	2.0	1.0	1.0	1.6
AGS606RR	2.0	2.0	3.0	1.0	1.0	1.8
NC-ROY	3.0	2.5	5.0	2.0	1.0	2.6
NCC06-1090	2.0	1.7	3.0	1.0	1.0	1.7
G10-2479 RR	2.5	2.7	3.0	2.0	1.0	2.2
G10-3192 RR	2.5	3.2	3.0	2.0	1.0	2.3
G10-3429 RR	2.0	2.2	3.0	1.0	1.0	1.8
LLL05-14	2.0	1.7	3.0	1.0	1.0	1.7
N04-05-N41	1.5	1.7	2.0	1.0	1.0	1.5
N09-9	3.0	3.5	2.0	1.5	1.0	2.2
N10-7189	3.0	2.5	4.0	2.0	1.0	2.5
N10-7277	2.0	2.2	2.0	1.5	1.0	1.8
N11-411	3.0	2.7	5.0	2.5	1.3	2.9
N11-7060	2.0	1.5	3.0	1.0	1.0	1.7
N11-7090	2.0	1.7	2.0	1.0	1.0	1.6
N11-7125	2.0	1.2	2.0	1.0	1.0	1.5
N11-8086	1.5	2.5	3.0	1.5	1.0	1.9
N11-8488	3.0	3.0	5.0	2.0	1.0	2.7
N11-9298	2.0	1.5	2.0	1.0	1.0	1.5
R09-4798	2.0	1.7	2.0	1.0	1.0	1.6
R10-1663	2.0	1.7	3.0	1.0	1.0	1.7
R10-2465	3.0	3.2	5.0	2.0	1.0	2.8
R10-4892	2.0	2.7	2.0	1.0	1.0	1.8
R10-5595	2.0	2.2	2.0	1.0	1.0	1.7
R10-7339RR	2.0	1.5	3.0	1.0	1.0	1.7
TCWN05/06-5045	2.0	1.7	3.0	2.0	1.0	1.9
TN09- 48,012	2.0	1.7	2.0	1.0	1.0	1.6
TN11-5140	2.5	2.5	2.0	1.0	1.0	1.8
TN12-6509	2.5	2.5	2.0	1.0	1.0	1.8
Mean	2.2	2.2	2.9	1.3	1.0	.

TABLE 76 - SEED QUALITY SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI FOR YEAR 2013

STRAIN/ VARIETY	Keiser, AR	Plymouth, NC	Stoneville, MS	Stuttgart, AR	Tallassee, AL(A)	Test Mean
DILLON	.	.	2.0	1.5	1.0	1.5
AGS606RR	.	.	2.0	3.0	1.0	2.0
NC-ROY	.	.	2.0	1.5	1.0	1.5
NCC06-1090	.	.	2.0	2.5	1.0	1.8
G10-2479 RR	.	.	2.0	1.0	1.0	1.3
G10-3192 RR	.	.	2.0	2.5	1.0	1.8
G10-3429 RR	.	.	2.0	2.5	1.1	1.9
LLL05-14	.	.	2.0	2.0	1.0	1.7
N04-05-N41	.	.	2.0	1.5	1.0	1.5
N09-9	.	.	2.0	3.0	1.2	2.1
N10-7189	.	.	2.0	2.0	1.2	1.7
N10-7277	.	.	2.0	1.0	1.1	1.4
N11-411	.	.	2.0	1.5	1.0	1.5
N11-7060	.	.	2.0	2.0	1.2	1.7
N11-7090	.	.	2.0	2.5	1.3	1.9
N11-7125	.	.	2.0	2.0	1.5	1.9
N11-8086	.	.	2.0	3.0	1.1	2.0
N11-8488	.	.	2.0	2.0	1.0	1.7
N11-9298	.	.	2.0	3.0	1.3	2.1
R09-4798	.	.	2.0	3.0	1.9	2.3
R10-1663	.	.	2.0	2.0	1.4	1.8
R10-2465	.	.	2.0	2.5	1.5	2.0
R10-4892	.	.	2.0	3.0	1.8	2.3
R10-5595	.	.	2.0	3.0	1.1	2.0
R10-7339RR	.	.	2.0	3.0	1.6	2.2
TCWN05/06-5045	.	.	2.0	3.5	1.5	2.3
TN09- 48,012	.	.	2.0	1.5	1.4	1.6
TN11-5140	.	.	2.0	2.0	1.2	1.7
TN12-6509	.	.	2.0	2.0	1.5	1.8
Mean	.	.	2.0	2.3	1.2	.

TABLE 77 - PARENTAGE OF STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2013

STRAIN/VARIETY	PARENTAGE	Fn	SPECIAL TRAITS
1 G06-3182RR	G99-4158 X P97M50		
2 AGS787RR	G95-346 X H7242 RR		
3 N7003CN	Cook x Anand		
4 NCC06-899	R97-1634xN97-9693		
5 G08-4200 RR	N97-9658 X BOGGS RR	F7d	
6 G09-3202R2	G00-3880 X NC7308A1-COYN	F4d	
7 G10PR-86R2	G00-3880 X NC7308A1-COYN	F4d	
8 G10PR-224R2	G00-3213 X NC7308A1-COYN	F4d	
9 G10PR-56330R2	G93-2225 X (G00-3213 X RR2Y)	F4d	
10 N07-8059	NC-ROY x FUKUYATAKA	F4	DIV
11 N08-391	S99-1171 X N00-370		
12 N08-447	G96-2272 X N00-377		
13 N08-521	G96-2272 X N00-377		
14 N09-12273	NC-ROYxBLUE SIDE-BB	F4	DIV
15 N09-12632	N7103xPI 398976-BB	F4	DIV
16 N09-12838	N7103xPI 408337-BB	F4	DIV
17 N09-13128	N7002xTAMAHAKARI-BB	F4	DIV
18 N09-13189	ROYxPI508294-BB	F4	DIV
19 N09-13534	NC-ROYxN02-8760	F4	DIV
20 N09-13671	N98-7961xN02-8718	F4	DIV
21 N09-13690	N98-7961xN02-8718	F4	DIV
22 SC07-108RR	N97-9658/SC01-783RR	F5	
23 SC09-039RR	N97-9658/SC00-643RR	F6	
24 SC09-052RR	N97-9658/SC00-643RR	F6	
25 SC09-142RR	G00-3213/SC00-643RR	F6	

**TABLE 78 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY
GROWN IN UNIFORM TEST VII FOR YEAR 2013**

STRAIN/ VARIETY	RANK	AVERAGE	YIELD ‡			PROTEIN			OIL		
		RANK	2013	12-13	11-13	2013	12-13	11-13	2013	12-13	11-13
G06-3182RR	4	10	54.4	.	.	40.3	.	.	21.7	.	.
AGS787RR	18	15	49.9	50.2	.	40.5	40.2	.	22.6	22.4	.
N7003CN	9	10	52.9	53.7	50.7	40.2	40.3	40.2	22.1	21.9	21.9
NCC06-899	6	8	53.8	55.1	52.4	39.4	39.7	39.5	23.2	22.8	22.7
G08-4200 RR	7	12	53.7	54.3	.	41.0	41.1	.	21.8	21.5	.
G09-3202R2	16	15	50.4	.	.	41.1	.	.	22.3	.	.
G10PR-86R2	5	10	53.9	.	.	41.3	.	.	21.6	.	.
G10PR-224R2	1	6	56.2	.	.	41.4	.	.	21.8	.	.
G10PR-56330R2	12	12	51.9	.	.	42.4	.	.	21.5	.	.
N07-8059	25	22	43.5	.	.	43.4	.	.	20.7	.	.
N08-391	2	8	55.6	54.4	.	40.4	40.5	.	22.2	22.1	.
N08-447	17	16	50.2	50.7	.	42.4	41.9	.	21.8	21.8	.
N08-521	3	7	55.5	53.2	.	42.2	42.0	.	21.3	21.3	.
N09-12273	20	16	49.4	.	.	40.7	.	.	23.0	.	.
N09-12632	23	16	47.8	.	.	42.6	.	.	20.0	.	.
N09-12838	15	14	50.7	.	.	41.2	.	.	21.4	.	.
N09-13128	8	12	53.3	52.9	.	38.5	38.4	.	22.5	22.4	.
N09-13189	19	16	49.9	.	.	41.2	.	.	20.5	.	.
N09-13534	21	16	48.8	.	.	42.4	.	.	22.1	.	.
N09-13671	10	13	52.4	.	.	41.4	.	.	22.3	.	.
N09-13690	22	17	48.1	.	.	40.1	.	.	22.1	.	.
SC07-108RR	11	12	52.2	53.8	51.4	40.9	40.9	40.5	21.1	21.3	21.4
SC09-039RR	24	18	47.3	.	.	41.9	.	.	21.8	.	.
SC09-052RR	14	13	51.6	.	.	40.6	.	.	21.9	.	.
SC09-142RR	13	12	51.6	.	.	42.4	.	.	22.6	.	.
Mean	.	.	51.4	.	.	41.2	.	.	21.8	.	.
LSD(0.05)	.	.	4.6	.	.	0.9	.	.	0.6	.	.
CV(%)	.	.	13.2	.	.	2.3	.	.	2.7	.	.

‡Data not included in mean: 2013 – Florence, SC
2012 – Tallassee, AL(A)
2011 – Fairhope, AL

**TABLE 79 - GENERAL SUMMARY OF BOTANICAL TRAITS FOR STRAIN/VARIETY
GROWN IN UNIFORM TEST VII FOR YEAR 2013**

STRAIN/ VARIETY	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	FL. COLOR	PUB. COLOR	POD COLOR
G06-3182RR	0	1.5	33	1.5	13.1			
AGS787RR	1	1.5	34	1.5	14.9			
N7003CN	2	1.7	33	2.0	16.5			
NCC06-899	3	1.7	30	1.5	16.1			
G08-4200 RR	2	2.1	36	1.4	12.7	W	T	T
G09-3202R2	0	1.7	36	1.6	14.4	P	T	T
G10PR-86R2	1	1.9	38	1.7	15.4	P	T	T
G10PR-224R2	2	1.5	38	1.4	14.4	W	T	T
G10PR-56330R2	2	1.6	37	1.7	14.1	P	T	T
N07-8059	1	1.9	32	1.8	16.9	W	G	
N08-391	0	1.7	33	1.5	14.7	W	G	
N08-447	5	1.4	31	1.9	15.1	P	T	
N08-521	4	1.5	32	1.7	13.4	W	T	
N09-12273	-3	1.9	31	2.1	17.2	P	G	
N09-12632	0	1.1	27	1.2	8.7	W	G	
N09-12838	-2	1.5	35	1.5	14.1	W	T	
N09-13128	0	1.3	33	1.9	16.0	P	G	
N09-13189	5	2.0	34	1.5	12.9	W	G	
N09-13534	1	1.8	36	1.6	16.3	P	G	
N09-13671	4	1.6	35	1.5	15.5	P	G	
N09-13690	2	1.6	34	1.3	14.2	P	G	
SC07-108RR	5	1.6	36	1.5	13.6	P	G	T
SC09-039RR	5	1.9	39	1.6	15.0	P	T	T
SC09-052RR	4	2.0	39	1.4	14.2	W	G	T
SC09-142RR	3	1.7	39	1.5	16.1	W	T	T
Mean	2	1.7	34	1.6	14.6			
LSD(0.05)	2	0.3	2	0.3	1.0			
CV(%)	143	26.0	10	23.0	8.3			

**TABLE 80 - GENERAL SUMMARY OF PEST REACTION FOR STRAIN/VARIETY
GROWN IN UNIFORM TEST VII FOR YEAR 2013**

STRAIN/ VARIETY	SCN HG TYPE	SCN HG TYPE	SCN HG TYPE	PRK GA	SRK GA	SC RATING	SC SCORE	SDS DX
	1.2.5.7 Race 2	5.7 Race 3	2.5.7 Race 5					
G06-3182RR	3	1	3	2.5	1.0	1.0	R	.
AGS787RR	3	1	4	1.5	1.0	3.0	SS	.
N7003CN	1	2	1	5.0	1.5	4.0	MS	.
NCC06-899	4	5	4	3.3	1.5	1.0	R	.
G08-4200 RR	4	1	2	3.3	1.0	1.0	R	.
G09-3202R2	4	4	5	1.8	1.0	1.0	R	.
G10PR-86R2	5	4	5	3.5	1.3	1.0	R	.
G10PR-224R2	4	1	1	2.5	1.0	1.0	R	.
G10PR-56330R2	5	5	5	3.8	1.0	1.0	R	.
N07-8059	5	4	5	5.0	3.0	5.0	S	.
N08-391	5	4	5	4.8	5.0	1.0	R	.
N08-447	4	5	5	5.0	1.3	1.0	R	.
N08-521	5	4	5	4.5	4.0	1.0	R	.
N09-12273	5	4	4	4.8	5.0	4.0	MS	.
N09-12632	5	5	5	3.5	1.5	1.0	R	.
N09-12838	5	5	5	4.0	3.8	3.0	SS	.
N09-13128	5	4	4	4.3	1.0	1.0	R	.
N09-13189	5	5	5	5.0	4.0	1.0	R	.
N09-13534	5	4	5	4.8	3.8	1.0	R	.
N09-13671	5	4	5	4.5	1.5	4.0	MS	.
N09-13690	4	5	5	2.8	1.3	4.0	MS	.
SC07-108RR	5	5	5	5.0	1.0	3.0	SS	.
SC09-039RR	5	4	5	3.5	1.0	5.0	S	.
SC09-052RR	5	4	5	4.3	1.3	5.0	S	.
SC09-142RR	5	2	4	4.8	1.0	5.0	S	.

TABLE 81 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VII FOR YEAR 2013

East

STRAIN/ VARIETY	Clayton, NC	Kinston, NC	Plymouth, NC	Area Mean
G06-3182RR	39.2	39.5	45.8	42.0
AGS787RR	26.1	34.3	44.3	36.2
N7003CN	39.9	42.3	46.3	42.4
NCC06-899	33.0	42.2	.	37.0
G08-4200 RR	38.4	36.1	41.5	38.7
G09-3202R2	40.0	33.5	43.2	38.9
G10PR-86R2	36.6	40.6	46.7	41.3
G10PR-224R2	34.7	48.6	47.0	43.4
G10PR-56330R2	39.1	41.9	45.4	42.1
N07-8059	39.3	32.4	40.5	39.1
N08-391	46.8	36.9	39.4	40.5
N08-447	29.8	40.8	39.6	36.4
N08-521	40.6	41.1	40.9	41.1
N09-12273	37.5	39.4	40.3	39.2
N09-12632	26.2	28.9	49.0	35.9
N09-12838	43.2	35.0	43.2	42.3
N09-13128	35.6	35.1	57.1	42.6
N09-13189	35.7	36.0	46.2	39.3
N09-13534	25.5	33.2	51.6	36.8
N09-13671	38.2	35.1	45.3	38.8
N09-13690	31.7	39.1	46.5	37.0
SC07-108RR	38.6	37.4	40.6	39.0
SC09-039RR	26.9	39.9	34.9	33.3
SC09-052RR	36.2	39.5	42.4	39.4
SC09-142RR	40.4	42.7	44.1	42.2
Mean	36.0	38.1	44.2	39.4
LSD(0.05)	8.9	9.8	9.2	.
CV(%)	13.9	13.8	11.5	.

TABLE 81 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VII FOR YEAR 2013

South

STRAIN/ VARIETY	Athens, GA(A)	Calhoun, GA	Fairhope, AL	Florence, ‡ SC	Plains, GA	Tallassee, AL(A)	Tifton, GA	Area Mean
G06-3182RR	61.1	34.3	65.9	47.0	71.8	52.7	64.7	58.4
AGS787RR	60.3	36.7	63.2	46.7	70.5	37.2	55.7	53.9
N7003CN	62.6	31.7	72.1	35.5	70.1	44.4	42.3	53.9
NCC06-899	74.0	39.0	69.9	25.2	81.9	19.9	59.3	57.3
G08-4200 RR	70.5	29.7	61.6	54.8	73.2	52.8	68.3	59.3
G09-3202R2	56.0	34.3	67.8	45.8	63.7	55.1	46.3	53.9
G10PR-86R2	60.8	37.3	66.7	52.3	77.8	47.1	48.0	56.3
G10PR-224R2	69.6	38.3	74.2	48.0	72.7	49.3	54.7	59.8
G10PR-56330R2	64.9	30.7	60.0	62.9	68.9	46.7	56.0	54.5
N07-8059	52.6	27.7	53.0	37.5	63.4	29.1	44.7	45.1
N08-391	66.6	37.7	72.9	52.7	82.8	43.6	59.7	60.5
N08-447	56.5	37.7	68.6	43.7	63.3	43.6	52.3	53.7
N08-521	65.9	49.3	68.9	45.9	72.8	47.4	56.0	60.1
N09-12273	56.7	37.3	63.8	48.3	69.6	35.3	54.3	52.8
N09-12632	63.3	35.7	71.6	31.2	66.6	34.8	38.7	51.8
N09-12838	65.9	33.3	64.0	39.0	69.3	36.8	49.7	53.2
N09-13128	60.8	42.0	66.7	33.6	65.5	47.6	47.3	55.0
N09-13189	56.6	35.3	71.8	43.9	68.6	34.7	52.3	53.2
N09-13534	50.7	39.7	67.3	41.7	67.0	43.0	53.0	53.4
N09-13671	62.8	33.0	63.5	42.6	68.1	46.8	61.3	55.9
N09-13690	62.9	29.0	58.6	42.1	65.0	43.7	50.3	51.6
SC07-108RR	64.6	37.7	65.1	47.8	73.5	34.3	61.3	56.1
SC09-039RR	58.8	31.7	57.8	41.7	70.1	37.2	53.7	51.5
SC09-052RR	56.8	34.3	68.3	45.2	76.6	36.5	52.7	54.2
SC09-142RR	57.2	35.3	57.3	52.2	69.1	44.3	54.7	53.0
Mean	61.5	35.5	65.6	44.3	70.5	41.8	53.5	54.7
LSD(0.05)	11.1	4.7	6.4	17.2	7.6	10.3	10.2	.
CV(%)	11.0	8.1	5.9	20.5	6.5	15.0	11.7	.

‡Data not included in mean.

TABLE 81 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VII FOR YEAR 2013

West

STRAIN/ VARIETY	Bossier City, LA	Area Mean
G06-3182RR	68.8	68.8
AGS787RR	69.7	69.7
N7003CN	77.3	77.3
NCC06-899	72.6	72.6
G08-4200 RR	65.0	65.0
G09-3202R2	64.5	64.5
G10PR-86R2	77.8	77.8
G10PR-224R2	72.4	72.4
G10PR-56330R2	65.9	65.9
N07-8059	53.4	53.4
N08-391	70.5	70.5
N08-447	69.1	69.1
N08-521	70.4	70.4
N09-12273	60.8	60.8
N09-12632	62.7	62.7
N09-12838	67.1	67.1
N09-13128	75.3	75.3
N09-13189	61.3	61.3
N09-13534	57.3	57.3
N09-13671	70.4	70.4
N09-13690	56.7	56.7
SC07-108RR	68.9	68.9
SC09-039RR	63.5	63.5
SC09-052RR	72.2	72.2
SC09-142RR	71.2	71.2
Mean	67.4	67.4
LSD(0.05)	9.8	.
CV(%)	8.8	.

**TABLE 82 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN
UNIFORM GROUP VII FOR YEAR 2013**

STRAIN/ VARIETY	Athens, GA(A)	Clayton, NC	Fairhope, AL	Florence, SC	Kinston, NC	Plains, GA	Plymouth, NC	Tallassee, AL(A)	Test Mean
G06-3182RR	23.2	19.1	23.0	20.1	22.0	22.4	22.3	21.7	21.7
AGS787RR	23.4	21.3	23.3	21.5	22.4	22.9	22.3	23.7	22.6
N7003CN	22.7	20.9	22.5	20.6	22.4	22.2	23.3	21.8	22.1
NCC06-899	23.3	22.7	23.8	21.6	23.2	23.7	23.2	23.7	23.2
G08-4200 RR	22.5	21.1	22.1	20.7	21.7	21.9	22.4	21.8	21.8
G09-3202R2	22.8	21.3	22.9	21.0	22.2	22.7	23.4	22.0	22.3
G10PR-86R2	22.2	20.2	22.5	20.8	21.7	22.2	22.1	21.3	21.6
G10PR-224R2	22.6	21.5	23.2	20.6	20.7	22.5	21.7	21.8	21.8
G10PR-56330R2	22.2	20.7	22.7	19.7	21.0	21.9	21.5	22.0	21.5
N07-8059	21.1	20.0	21.9	19.8	19.7	21.7	20.2	21.0	20.7
N08-391	22.6	22.0	22.7	21.0	21.7	22.3	23.4	22.2	22.2
N08-447	22.7	22.1	22.2	20.8	21.2	22.2	21.9	21.2	21.8
N08-521	22.0	20.5	21.0	20.5	21.6	21.0	23.3	20.8	21.3
N09-12273	23.7	21.1	23.6	20.7	22.8	23.6	23.5	24.9	23.0
N09-12632	20.4	18.7	20.8	19.2	20.8	19.9	20.5	19.6	20.0
N09-12838	21.9	20.8	21.8	20.5	20.8	21.6	22.2	21.7	21.4
N09-13128	22.9	22.6	22.7	20.2	22.4	22.5	22.9	23.5	22.5
N09-13189	21.2	20.0	21.9	19.7	20.1	20.9	20.7	19.1	20.5
N09-13534	22.5	20.6	23.4	20.0	21.8	22.8	22.3	23.2	22.1
N09-13671	23.1	22.1	23.0	21.2	21.7	23.0	21.4	23.1	22.3
N09-13690	22.2	22.0	22.9	20.6	21.8	22.9	21.7	22.4	22.1
SC07-108RR	22.9	19.1	22.9	18.0	21.4	22.7	21.4	20.5	21.1
SC09-039RR	22.7	21.2	22.6	19.8	21.7	22.5	21.9	22.1	21.8
SC09-052RR	23.0	21.0	23.3	20.4	21.3	22.8	22.2	21.4	21.9
SC09-142RR	23.4	22.1	22.9	20.8	22.1	23.7	23.2	22.6	22.6
Mean	22.5	21.0	22.6	20.4	21.6	22.3	22.2	22.0	.

**TABLE 83 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN
UNIFORM GROUP VII FOR YEAR 2013**

STRAIN/ VARIETY	Athens, GA(A)	Clayton, NC	Fairhope, AL	Florence, SC	Kinston, NC	Plains, GA	Plymouth, NC	Tallassee, AL(A)	Test Mean
G06-3182RR	38.8	42.8	41.6	42.0	40.5	41.5	36.7	38.8	40.3
AGS787RR	40.0	40.7	42.8	40.5	40.6	41.5	39.6	38.3	40.5
N7003CN	39.8	41.1	41.7	41.4	39.4	40.9	36.7	40.2	40.1
NCC06-899	39.4	39.0	41.0	40.9	37.7	39.8	38.0	39.0	39.3
G08-4200 RR	40.7	41.2	43.5	40.8	40.1	41.4	39.7	40.4	41.0
G09-3202R2	40.8	42.9	43.0	41.9	39.7	41.7	37.5	41.1	41.1
G10PR-86R2	40.8	42.2	42.9	41.9	40.3	41.4	38.7	42.2	41.3
G10PR-224R2	40.4	41.4	42.1	42.5	42.3	41.4	40.6	40.4	41.4
G10PR-56330R2	42.1	42.5	43.5	42.7	41.9	43.1	42.0	41.3	42.4
N07-8059	42.9	43.7	44.4	43.4	43.9	42.7	43.6	42.8	43.4
N08-391	40.3	40.0	42.5	41.1	41.4	42.2	35.7	40.0	40.4
N08-447	41.5	41.6	43.6	43.6	41.9	43.6	40.6	42.7	42.4
N08-521	41.6	42.9	44.2	43.5	41.2	44.3	36.9	43.3	42.2
N09-12273	39.4	42.9	41.2	43.5	41.3	40.1	39.8	37.6	40.7
N09-12632	41.5	43.6	44.3	43.7	41.5	43.6	38.6	44.3	42.6
N09-12838	40.9	41.7	43.1	42.6	41.3	42.6	37.3	40.4	41.2
N09-13128	38.1	37.2	40.4	39.8	38.5	39.7	36.8	37.8	38.5
N09-13189	40.6	41.1	40.7	41.0	41.5	41.3	40.2	42.8	41.1
N09-13534	42.2	43.1	43.3	43.9	42.2	41.7	41.6	41.0	42.4
N09-13671	41.0	40.9	43.4	42.6	41.0	42.3	39.9	40.4	41.4
N09-13690	39.3	40.0	41.8	41.4	39.8	40.4	38.5	39.5	40.1
SC07-108RR	39.9	42.4	41.7	42.8	40.1	40.4	39.6	40.5	40.9
SC09-039RR	41.1	42.2	43.7	43.9	41.5	42.5	39.5	41.0	41.9
SC09-052RR	40.0	39.9	41.7	41.7	40.6	40.7	38.8	41.0	40.5
SC09-142RR	41.0	42.3	44.9	43.9	42.9	42.9	39.2	42.0	42.4
Mean	40.6	41.6	42.7	42.3	40.9	41.7	39.0	40.8	.

TABLE 84 - SIZE (GRAMS PER 100 SEED) FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2013

STRAIN/ VARIETY	Athens, GA(A)	Bossier City, LA	Calhoun, GA	Clayton, NC	Fairhope, AL	Florence, SC	Kinston, NC	Plains, GA	Plymouth, NC	Tallassee, AL(A)	Tifton, GA	Test Mean
G06-3182RR	14.9	12.4	12.0	13.0	16.8	12.2	13.2	16.1	11.4	10.4	11.4	13.1
AGS787RR	16.0	18.5	13.7	15.6	17.3	14.5	14.1	17.1	12.8	11.7	12.7	14.9
N7003CN	18.4	20.3	15.5	16.9	20.5	15.6	15.8	18.5	14.0	13.5	12.6	16.5
NCC06-899	17.8	21.0	13.9	16.2	19.3	15.8	14.6	17.3	14.1	12.9	14.4	16.1
G08-4200 RR	14.6	16.3	11.7	14.0	13.4	11.3	11.8	13.5	10.8	10.8	11.2	12.7
G09-3202R2	15.4	16.5	13.4	15.1	17.7	13.5	13.4	16.1	12.9	12.6	12.3	14.4
G10PR-86R2	17.6	18.7	13.8	17.2	16.5	14.6	14.4	17.2	13.9	12.0	13.2	15.4
G10PR-224R2	16.4	15.2	13.3	15.3	18.3	12.8	13.9	14.6	13.0	12.8	12.4	14.4
G10PR-56330R2	16.6	16.4	12.6	15.0	14.4	12.1	12.9	16.5	13.3	11.7	13.4	14.1
N07-8059	19.0	17.2	14.2	20.1	19.2	15.6	.	20.0	15.6	13.9	15.3	16.9
N08-391	16.5	15.9	13.4	15.7	18.4	13.3	13.2	16.8	12.3	12.7	13.5	14.7
N08-447	16.7	16.1	14.7	16.4	20.2	14.3	13.6	17.9	11.6	11.9	12.4	15.1
N08-521	14.9	13.6	12.8	14.4	15.9	13.1	.	15.7	10.9	11.3	12.5	13.4
N09-12273	18.2	17.6	14.8	19.0	19.6	16.3	16.8	20.6	15.7	14.7	15.7	17.2
N09-12632	9.0	10.4	8.3	8.8	11.0	8.6	8.2	10.0	6.4	7.8	7.0	8.7
N09-12838	14.9	23.4	12.5	14.9	15.3	12.1	.	14.9	11.1	10.3	12.4	14.1
N09-13128	16.5	18.0	14.5	16.6	18.7	16.3	14.5	18.5	14.8	14.3	13.5	16.0
N09-13189	14.0	12.4	13.5	15.1	15.6	11.9	11.0	15.1	11.0	10.5	11.6	12.9
N09-13534	18.3	14.4	16.0	18.2	19.2	15.3	15.3	18.6	15.8	13.8	14.6	16.3
N09-13671	18.4	16.9	14.6	17.3	16.4	15.1	14.1	17.4	13.8	12.0	14.6	15.5
N09-13690	14.7	20.1	13.4	16.8	14.3	12.8	13.1	16.0	12.0	11.3	12.2	14.2
SC07-108RR	16.9	16.0	14.2	14.3	14.5	11.8	13.5	14.8	12.0	10.1	12.0	13.6
SC09-039RR	17.1	16.8	15.6	16.0	17.3	14.1	15.1	16.4	12.8	11.1	13.1	15.0
SC09-052RR	16.8	18.0	14.1	14.5	16.5	12.9	13.7	15.7	12.1	10.2	11.9	14.2
SC09-142RR	18.1	25.8	15.3	17.5	15.7	14.0	15.2	17.1	12.9	11.9	13.5	16.1
Mean	16.3	17.1	13.7	15.7	16.9	13.5	13.5	16.5	12.7	11.9	12.8	.

TABLE 85 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2013

East

STRAIN/ VARIETY	Clayton, NC	Kinston, NC	Plymouth, NC	Area Mean
G06-3182RR	10/31	10/24	10/23	10/26
AGS787RR	1	3	0	1
N7003CN	2	-1	-1	0
NCC06-899	6	0	0	2
G08-4200 RR	-1	3	1	1
G09-3202R2	-1	0	-1	0
G10PR-86R2	0	1	0	0
G10PR-224R2	3	-1	1	1
G10PR-56330R2	0	4	1	2
N07-8059	5	-5	0	0
N08-391	-1	0	-2	-1
N08-447	7	8	2	5
N08-521	5	2	1	3
N09-12273	1	-6	-2	-3
N09-12632	0	-1	-2	-1
N09-12838	-5	-4	-2	-3
N09-13128	-2	-3	-1	-2
N09-13189	6	1	4	4
N09-13534	7	1	0	3
N09-13671	6	4	3	4
N09-13690	4	1	0	1
SC07-108RR	8	6	5	6
SC09-039RR	6	6	4	5
SC09-052RR	5	4	4	5
SC09-142RR	3	5	1	3
Mean	3	1	1	1

TABLE 85 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2013

South

STRAIN/ VARIETY	Athens, GA(A)	Calhoun, GA	Fairhope, AL	Florence, SC	Tallassee, AL(A)	Tifton, GA	Area Mean
G06-3182RR	10/13	10/13	10/13	10/28	10/13	10/10	10/15
AGS787RR	3	1	1	0	3	-4	1
N7003CN	5	4	7	.	1	3	3
NCC06-899	7	4	3	.	1	4	3
G08-4200 RR	7	3	5	.	1	-4	2
G09-3202R2	2	2	2	-4	1	-3	0
G10PR-86R2	6	1	2	-1	2	2	2
G10PR-224R2	4	3	5	-1	1	2	2
G10PR-56330R2	7	3	-1	.	2	4	3
N07-8059	6	1	0	0	1	2	2
N08-391	4	2	2	-1	1	1	2
N08-447	1	3	9	.	7	9	5
N08-521	8	2	8	.	6	5	5
N09-12273	-2	-5	-1	.	-3	-5	-4
N09-12632	6	2	5	-2	-1	-7	1
N09-12838	1	2	0	-4	-3	-6	-2
N09-13128	5	4	2	.	-1	-5	0
N09-13189	12	4	10	0	6	2	6
N09-13534	4	4	1	-1	1	-7	0
N09-13671	10	4	1	.	7	4	5
N09-13690	3	4	0	-1	3	2	2
SC07-108RR	12	4	7	.	9	3	7
SC09-039RR	11	4	7	.	7	7	7
SC09-052RR	14	4	6	.	4	-3	4
SC09-142RR	6	3	0	0	5	2	3
Mean	6	2	3	-1	2	0	2

TABLE 85 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2013

West

STRAIN/ VARIETY	Bossier City, LA	Area Mean
G06-3182RR	10/28	10/28
AGS787RR	0	0
N7003CN	3	3
NCC06-899	3	3
G08-4200 RR	3	3
G09-3202R2	0	0
G10PR-86R2	-3	-3
G10PR-224R2	0	0
G10PR-56330R2	1	1
N07-8059	3	3
N08-391	-3	-3
N08-447	3	3
N08-521	3	3
N09-12273	3	3
N09-12632	0	0
N09-12838	0	0
N09-13128	0	0
N09-13189	0	0
N09-13534	0	0
N09-13671	0	0
N09-13690	0	0
SC07-108RR	-3	-3
SC09-039RR	0	0
SC09-052RR	0	0
SC09-142RR	0	0
Mean	1	1

TABLE 86 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2013

East

STRAIN/ VARIETY	Clayton, NC	Kinston, NC	Plymouth, NC	Area Mean
G06-3182RR	27	21	42	30
AGS787RR	30	21	45	32
N7003CN	30	23	39	31
NCC06-899	26	24	39	30
G08-4200 RR	34	23	46	34
G09-3202R2	35	23	48	35
G10PR-86R2	34	26	49	36
G10PR-224R2	29	28	47	35
G10PR-56330R2	31	25	46	34
N07-8059	32	16	41	30
N08-391	26	19	42	29
N08-447	27	20	42	30
N08-521	30	14	39	27
N09-12273	30	19	39	29
N09-12632	21	16	38	25
N09-12838	25	.	46	32
N09-13128	30	19	41	30
N09-13189	33	27	43	34
N09-13534	35	22	43	33
N09-13671	31	21	45	32
N09-13690	36	23	42	33
SC07-108RR	29	25	44	33
SC09-039RR	40	27	48	38
SC09-052RR	40	28	50	39
SC09-142RR	35	26	45	35
Mean	31	22	43	.

TABLE 86 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2013

South

STRAIN/ VARIETY	Athens, GA(A)	Calhoun, GA	Fairhope, AL	Florence, SC	Plains, GA	Tallassee, AL(A)	Tifton, GA	Area Mean
G06-3182RR	38	49	35	21	34	27	36	34
AGS787RR	41	49	37	17	40	25	32	35
N7003CN	37	48	33	22	37	24	35	34
NCC06-899	36	48	31	14	37	20	31	31
G08-4200 RR	42	47	41	27	39	29	41	38
G09-3202R2	40	51	37	24	37	29	37	36
G10PR-86R2	40	54	39	24	42	35	41	39
G10PR-224R2	43	52	39	22	41	38	37	39
G10PR-56330R2	46	50	42	23	41	32	33	38
N07-8059	40	40	33	20	36	26	31	33
N08-391	38	46	36	23	35	29	31	34
N08-447	39	42	31	19	37	28	31	33
N08-521	41	45	35	22	36	26	33	34
N09-12273	36	44	35	20	34	22	31	32
N09-12632	33	40	28	16	26	21	25	27
N09-12838	45	50	35	23	39	28	34	36
N09-13128	40	47	38	17	40	27	31	34
N09-13189	40	49	34	24	39	26	31	35
N09-13534	38	44	36	27	40	35	44	38
N09-13671	41	44	39	26	40	28	33	36
N09-13690	41	46	37	23	39	29	39	36
SC07-108RR	42	50	39	23	42	25	35	37
SC09-039RR	47	53	43	25	39	32	41	40
SC09-052RR	42	55	41	25	37	30	45	39
SC09-142RR	45	53	42	26	44	33	46	41
Mean	40	48	37	22	38	28	35	.

TABLE 86 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2013

West

STRAIN/ VARIETY	Bossier City, LA	Area Mean
G06-3182RR	29	29
AGS787RR	32	32
N7003CN	31	31
NCC06-899	30	30
G08-4200 RR	32	32
G09-3202R2	33	33
G10PR-86R2	35	35
G10PR-224R2	39	39
G10PR-56330R2	35	35
N07-8059	32	32
N08-391	33	33
N08-447	27	27
N08-521	29	29
N09-12273	29	29
N09-12632	29	29
N09-12838	33	33
N09-13128	28	28
N09-13189	32	32
N09-13534	34	34
N09-13671	33	33
N09-13690	29	29
SC07-108RR	37	37
SC09-039RR	34	34
SC09-052RR	37	37
SC09-142RR	33	33
Mean	32	.

TABLE 87 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2013

East

STRAIN/ VARIETY	Clayton, NC	Kinston, NC	Plymouth, NC	Area Mean
G06-3182RR	1.5	1.5	2.0	1.7
AGS787RR	1.5	1.5	2.0	1.7
N7003CN	2.0	1.5	1.5	1.7
NCC06-899	2.0	1.3	2.0	1.8
G08-4200 RR	2.2	1.5	2.3	2.0
G09-3202R2	2.0	1.5	2.3	1.9
G10PR-86R2	2.0	1.5	2.0	1.8
G10PR-224R2	1.7	1.5	2.0	1.8
G10PR-56330R2	1.7	1.3	1.8	1.6
N07-8059	2.2	1.5	2.0	1.9
N08-391	1.2	1.5	2.5	1.8
N08-447	1.2	1.5	2.0	1.6
N08-521	2.0	1.3	1.5	1.6
N09-12273	2.0	1.5	2.0	1.8
N09-12632	1.0	1.3	1.2	1.2
N09-12838	1.5	1.5	1.5	1.5
N09-13128	1.0	1.3	1.8	1.3
N09-13189	2.8	2.0	2.0	2.3
N09-13534	2.0	1.5	2.0	1.8
N09-13671	2.2	1.5	2.3	2.0
N09-13690	2.2	1.5	2.0	1.9
SC07-108RR	2.0	1.5	2.0	1.8
SC09-039RR	2.2	1.5	2.0	1.9
SC09-052RR	2.0	1.5	2.0	1.8
SC09-142RR	2.0	1.5	2.0	1.8
Mean	1.9	1.5	1.9	.

**TABLE 87 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN
UNIFORM GROUP VII FOR YEAR 2013**

South

STRAIN/ VARIETY	Athens, GA(A)	Calhoun, GA	Fairhope, AL	Florence, SC	Plains, GA	Tallassee, AL(A)	Tifton, GA	Area Mean
G06-3182RR	2.0	2.3	2.0	1.7	1.0	1.0	1.0	1.6
AGS787RR	1.3	1.7	2.0	1.8	1.3	1.0	1.0	1.5
N7003CN	2.7	2.5	2.0	1.7	1.7	1.0	1.0	1.8
NCC06-899	2.7	2.5	2.0	1.5	1.0	1.0	1.0	1.7
G08-4200 RR	3.0	2.5	3.0	1.8	2.3	1.0	1.0	2.1
G09-3202R2	3.0	2.0	2.0	1.8	1.0	1.0	1.0	1.7
G10PR-86R2	2.7	2.0	2.0	2.0	2.0	1.0	2.7	2.0
G10PR-224R2	1.7	1.3	2.0	2.0	1.7	1.0	1.0	1.5
G10PR-56330R2	2.7	2.0	2.0	2.0	1.0	1.0	1.0	1.7
N07-8059	3.0	2.7	2.3	2.0	2.0	1.0	1.0	2.0
N08-391	2.3	2.7	2.3	1.8	1.0	1.0	1.0	1.7
N08-447	1.3	1.5	2.0	1.8	1.0	1.0	1.0	1.4
N08-521	2.0	1.5	2.0	1.8	1.0	1.0	1.0	1.5
N09-12273	3.7	2.8	2.0	1.8	1.7	1.0	1.0	2.0
N09-12632	1.0	1.2	1.0	1.5	1.0	1.0	1.0	1.1
N09-12838	1.7	2.0	2.3	1.7	1.3	1.0	1.0	1.6
N09-13128	1.7	1.3	2.0	1.7	1.0	1.0	1.0	1.4
N09-13189	2.7	2.2	2.0	2.0	2.3	1.0	1.0	1.9
N09-13534	2.7	1.8	2.0	2.0	2.0	1.0	1.0	1.8
N09-13671	1.7	1.8	2.0	1.8	1.3	1.0	1.0	1.5
N09-13690	2.0	1.8	2.0	2.0	1.7	1.0	1.0	1.6
SC07-108RR	2.3	1.7	2.0	2.0	1.7	1.0	1.0	1.7
SC09-039RR	3.0	1.8	2.7	1.8	1.7	1.0	1.0	1.9
SC09-052RR	3.3	2.0	2.0	2.2	2.0	1.0	2.0	2.1
SC09-142RR	3.0	1.5	2.0	2.0	2.0	1.0	1.0	1.8
Mean	2.4	2.0	2.1	1.9	1.5	1.0	1.1	.

TABLE 87 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2013

West

STRAIN/ VARIETY	Bossier City, LA	Area Mean
G06-3182RR	1.0	1.0
AGS787RR	1.3	1.3
N7003CN	1.7	1.7
NCC06-899	1.3	1.3
G08-4200 RR	2.0	2.0
G09-3202R2	1.0	1.0
G10PR-86R2	1.0	1.0
G10PR-224R2	1.0	1.0
G10PR-56330R2	1.0	1.0
N07-8059	1.3	1.3
N08-391	1.3	1.3
N08-447	1.3	1.3
N08-521	1.0	1.0
N09-12273	1.0	1.0
N09-12632	1.0	1.0
N09-12838	1.0	1.0
N09-13128	1.0	1.0
N09-13189	1.7	1.7
N09-13534	2.0	2.0
N09-13671	1.0	1.0
N09-13690	1.0	1.0
SC07-108RR	1.0	1.0
SC09-039RR	1.7	1.7
SC09-052RR	1.7	1.7
SC09-142RR	1.0	1.0
Mean	1.3	.

**TABLE 88 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN
UNIFORM GROUP VII FOR YEAR 2013**

South

STRAIN/ VARIETY	Athens, GA(A)	Calhoun, GA	Fairhope, AL	Florence, SC	Plains, GA	Tallassee, AL(A)	Tifton, GA	Area Mean
G06-3182RR	1.0	1.3	1.4	3.3	1.7	1.0	1.3	1.6
AGS787RR	1.7	1.3	1.1	3.0	1.7	1.0	1.3	1.6
N7003CN	2.0	2.3	1.4	3.2	2.7	1.4	2.3	2.2
NCC06-899	1.3	1.5	1.3	2.7	1.7	1.1	1.5	1.5
G08-4200 RR	1.0	1.7	1.5	2.8	1.0	1.0	1.3	1.5
G09-3202R2	1.3	1.8	1.8	3.2	1.3	1.0	1.5	1.7
G10PR-86R2	1.0	1.7	1.7	3.5	1.7	1.2	1.5	1.7
G10PR-224R2	1.0	1.3	1.6	2.3	1.3	1.0	1.7	1.5
G10PR-56330R2	1.3	1.5	1.4	3.3	2.0	1.0	1.7	1.8
N07-8059	1.3	1.7	1.7	3.5	2.0	1.2	2.2	1.9
N08-391	1.3	1.5	1.6	2.8	1.7	1.0	1.3	1.6
N08-447	1.0	1.8	1.9	3.7	2.3	1.4	2.2	2.0
N08-521	1.0	1.5	1.6	3.3	1.7	1.3	2.0	1.8
N09-12273	1.3	2.2	1.7	4.3	2.7	1.3	2.0	2.2
N09-12632	1.0	1.3	1.0	2.0	1.0	1.0	1.5	1.3
N09-12838	1.0	1.7	1.4	2.7	1.7	1.2	1.5	1.6
N09-13128	1.7	1.5	1.9	3.0	3.0	1.0	1.7	1.9
N09-13189	1.0	1.5	1.4	2.5	2.0	1.3	1.7	1.6
N09-13534	1.0	1.7	1.4	3.3	2.0	1.1	1.5	1.7
N09-13671	1.3	1.3	1.3	2.7	1.7	1.0	1.5	1.5
N09-13690	1.0	1.3	1.3	1.7	1.7	1.0	1.3	1.3
SC07-108RR	1.0	1.5	1.3	3.2	1.3	1.0	1.5	1.5
SC09-039RR	1.3	1.8	1.5	2.7	1.3	1.4	2.0	1.7
SC09-052RR	1.0	1.3	1.3	3.0	1.0	1.0	1.3	1.4
SC09-142RR	1.0	1.5	1.2	3.3	1.7	1.0	1.3	1.6
Mean	1.2	1.6	1.5	3.0	1.7	1.1	1.6	.

TABLE 88 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2013

West

STRAIN/ VARIETY	Bossier City, LA	Area Mean
G06-3182RR	1.0	1.0
AGS787RR	1.0	1.0
N7003CN	1.0	1.0
NCC06-899	1.0	1.0
G08-4200 RR	1.0	1.0
G09-3202R2	1.0	1.0
G10PR-86R2	1.0	1.0
G10PR-224R2	1.0	1.0
G10PR-56330R2	1.0	1.0
N07-8059	1.0	1.0
N08-391	1.0	1.0
N08-447	1.0	1.0
N08-521	1.0	1.0
N09-12273	1.0	1.0
N09-12632	1.0	1.0
N09-12838	1.0	1.0
N09-13128	1.0	1.0
N09-13189	1.0	1.0
N09-13534	1.0	1.0
N09-13671	1.0	1.0
N09-13690	1.0	1.0
SC07-108RR	1.0	1.0
SC09-039RR	1.0	1.0
SC09-052RR	1.0	1.0
SC09-142RR	1.0	1.0
Mean	1.0	.

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**TABLE 89 - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII
FOR YEAR 2013**

	STRAIN/VARIETY	PARENTAGE	Fn	SPECIAL TRAITS
1	G06-3182RR	G99-4158 X P97M50		
2	AGS787RR	G95-346 X H7242 RR		
3	N7003CN	Cook x Anand		
4	NCC06-899	R97-1634xN97-9693		
5	G10-3833 RR	G03-825-RR X G00-3213	F6d	
6	G10-3954R2	G00-3213 X NC7308A1-COYN	F6d	
7	G10-3968R2	G00-3213 X NC7308A1-COYN	F6d	
8	G11PR-418R2	G00-3213(3)RR2Y x {G00-3213(2) x [G00-3209 x G01-PR68 (Rpp?Hyyuga)] F2}F1}	F2d	
9	G11PR-56158R2	G00-3213(4) X RR2Y	BC3F3d	
10	G11PR-56183R2	G00-3213(4) X RR2Y	BC3F3	
11	G11PR-56238R2	G00-3880(4) X RR2Y	BC3F3d	
12	N05-316	NC-RoyX N96-6752		
13	N09-12441	N7002xMISUZU DAIZU-BB	F4	DIV
14	N09-12455	N7002xMISUZU DAIZU-BB	F4	DIV
15	N09-12854	N7103xPI 408337-BB	F4	DIV
16	N09-12980	ROYxPI 399044-BB	F4	DIV
17	N7103	NTCPR90-143 x Pearl	F4	Lodging resistant
18	NLM09-52	N6202 X G98SF114.		
19	NMS5-11-1-4	N7103 x PI 366122 (G. soja)	F4	40% SNP SOJA PI 366122
20	SC10-318RR	SC98-2070/SC01-783RR	F5	LJ
21	SC10-397RR	SC98-2070/SC01-783RR	F5	LJ
22	SC10-400RR	SC98-2070/SC01-783RR	F5	LJ
23	SC10-401RR	SC98-2070/SC01-783RR	F5	LJ
24	SC10-404RR	SC98-2070/SC01-783RR	F5	LJ
25	SC10-406RR	SC98-2070/SC01-783RR	F5	LJ
26	TCWN05/06-5050	Cook x SC97-1821	F4	RESISTANT TO MN DEF
27	TCWN05/06-5165	Cook x SC97-1821	F4	PART RESISTANT TO MN DEF

**TABLE 90 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY
GROWN IN PRELIMINARY TEST VII FOR YEAR 2013**

STRAIN/ VARIETY	SEED YIELD	RANK	AVG. RANK	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SIZE	% PROTEIN	% OIL	HG TYPE			SC RATING	SC SCORE	FL COLOR	PUB. COLOR	POD COLOR
											1.2.5.7 Race 2	5.7 Race 3	2.5.7 Race 5					
G06-3182RR	57.0	10	12	0	1.4	34	1.2	14.3	39.1	22.0	3	2	2	R	1			
AGS787RR	57.4	8	11	2	1.5	35	1.1	15.3	39.6	23.1	4	1	3	SS	3			
N7003CN	53.7	19	16	4	1.8	35	2.0	17.4	40.3	22.2	1	4	1	MS	4			
NCC06-899	58.9	4	13	3	1.7	31	1.1	16.4	39.6	23.2	5	.	4	R	1			
G10-3833 RR	58.1	5	9	7	1.4	38	1.1	13.8	41.3	21.2	4	2	2	SS	3	W	T	T
G10-3954R2	57.6	7	11	1	1.3	38	1.2	15.2	41.0	21.9	4	1	2	MS	4	P	T	T
G10-3968R2	56.0	12	13	1	1.4	36	1.3	14.0	40.9	22.0	5	4	3	MR	2	P	T	T
G11PR-418R2	57.7	6	11	3	1.6	37	1.5	17.1	41.5	22.1	5	5	4	MR	2	W	G	T
G11PR-56158R2	59.9	3	6	4	1.6	40	1.2	17.9	42.1	22.0	5	5	4	SS	3	W	T	T
G11PR-56183R2	55.6	13	14	4	1.7	41	1.1	17.0	41.5	22.1	5	5	4	R	1	W	T	T
G11PR-56238R2	61.4	1	4	3	1.7	35	1.2	15.9	40.3	22.0	4	5	3	SS	3	P	T	T
N05-316	60.0	2	6	1	1.4	34	1.1	14.7	41.6	22.1	4	5	5	R	1	W	G	
N09-12441	53.3	21	15	-3	1.3	32	1.8	18.9	42.3	22.3	4	5	4	S	5	W	G	
N09-12455	54.9	15	13	1	1.3	33	1.3	18.0	41.4	22.4	5	5	5	R	1	W	G	
N09-12854	57.0	9	12	-1	1.2	30	1.1	14.2	41.1	21.1	5	4	4	R	1	W	G	
N09-12980	53.0	22	17	-5	1.5	34	1.3	13.6	40.6	21.2	5	5	4	R	1	W	T	
N7103	54.4	17	16	2	1.2	27	1.1	8.8	42.0	19.6	5	5	4	R	1	W	G	
NLM09-52	52.8	23	18	11	1.6	35	1.1	20.2	45.1	21.2	5	5	4	R	1	P	G	
NMS5-11-1-4	46.5	27	25	1	2.4	30	1.7	10.6	42.5	22.6	5	5	5	R	1	W	T	
SC10-318RR	50.7	26	21	3	1.4	40	1.4	16.6	41.4	21.4	5	5	4	R	1	P	G	T
SC10-397RR	56.5	11	12	6	1.2	38	1.8	16.0	39.7	21.8	5	5	4	R	1	P	G	T
SC10-400RR	53.7	18	15	7	1.2	38	1.6	16.2	41.0	21.5	5	5	3	MS	4	P	G	T
SC10-401RR	51.7	25	18	6	1.2	38	1.7	16.0	40.7	21.6	4	4	4	R	1	P	G	T
SC10-404RR	53.5	20	16	6	1.2	36	1.6	15.3	39.7	21.7	5	3	4	R	1	P	G	T
SC10-406RR	52.3	24	19	4	1.1	33	1.7	15.7	40.5	22.2	4	4	5	R	1	P	G	T
TCWN05/06-5050	54.7	16	15	2	1.4	33	1.7	16.9	42.1	21.3	4	4	4	R	1	W	T	
TCWN05/06-5165	55.3	14	14	6	1.6	39	1.5	19.1	42.2	21.9	4	5	4	S	5	P	T	
Mean	55.3	.	.	3	1.5	35	1.4	15.7	41.2	21.8	.	.	.		.			
LSD(0.05)	7.4	.	.	3	.	4	0.5	1.4	0.9	0.8	.	.	.		.			
CV(%)	11.4	.	.	75	.	10	29.2	6.9	1.7	2.8	.	.	.		.			

TABLE 91 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII FOR YEAR 2013

STRAIN/ VARIETY	Athens, GA(A)	Kinston, NC	Plains, GA	Plymouth, NC	Tallassee, ‡ AL(A)	Test Mean
G06-3182RR	72.2	46.7	65.5	43.9	54.5	57.0
AGS787RR	63.3	45.0	74.3	47.2	51.0	57.4
N7003CN	68.1	35.4	67.6	42.6	47.6	53.7
NCC06-899	63.5	38.7	83.9	.	30.2	58.9
G10-3833 RR	67.8	48.1	73.3	42.9	45.5	58.1
G10-3954R2	65.6	51.6	69.9	44.2	52.9	57.6
G10-3968R2	68.8	42.4	72.1	40.7	48.9	56.0
G11PR-418R2	64.2	40.7	76.8	48.6	51.5	57.7
G11PR-56158R2	71.4	44.3	76.2	47.5	49.3	59.9
G11PR-56183R2	58.6	47.1	72.8	44.2	49.4	55.6
G11PR-56238R2	73.0	52.4	76.2	45.6	41.6	61.4
N05-316	70.3	46.0	77.6	45.3	42.3	60.0
N09-12441	66.5	29.2	58.9	55.2	35.1	53.3
N09-12455	65.4	45.2	55.5	55.0	30.1	54.9
N09-12854	62.6	.	70.3	52.6	34.4	57.0
N09-12980	59.2	35.6	68.0	49.5	36.0	53.0
N7103	63.6	32.2	73.5	44.9	39.1	54.4
NLM09-52	64.6	42.6	66.4	38.2	42.2	52.8
NMS5-11-1-4	60.2	33.4	55.2	37.1	16.9	46.5
SC10-318RR	60.3	42.0	64.2	37.1	38.1	50.7
SC10-397RR	71.2	43.6	66.0	45.2	34.9	56.5
SC10-400RR	66.2	35.7	66.4	45.9	31.4	53.7
SC10-401RR	67.6	38.9	66.2	32.9	36.7	51.7
SC10-404RR	66.3	34.5	69.4	43.0	30.7	53.5
SC10-406RR	65.5	29.7	69.6	41.1	32.7	52.3
TCWN05/06-5050	65.6	.	69.6	42.4	40.3	54.7
TCWN05/06-5165	64.2	39.2	68.9	48.9	39.0	55.3
Mean	65.8	40.8	69.4	44.7	40.1	55.3
LSD(0.05)	7.2	13.1	7.6	8.2	10.8	7.4
CV(%)	6.7	13.9	6.7	9.9	16.4	11.4

‡ Data not included in mean: 2013 – Tallassee, AL(A)

**TABLE 92 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP VII FOR YEAR 2013**

STRAIN/ VARIETY	Athens, GA(A)	Kinston, NC	Plains, GA	Plymouth, NC	Tallassee, AL(A)	Test Mean
G06-3182RR	22.2	21.7	22.4	22.0	21.8	22.0
AGS787RR	22.9	22.5	23.9	22.6	23.5	23.1
N7003CN	22.6	22.0	22.0	22.3	22.0	22.2
NCC06-899	23.1	22.6	23.7	23.0	23.7	23.2
G10-3833 RR	22.2	19.8	22.2	20.6	21.3	21.2
G10-3954R2	21.8	21.7	22.3	21.4	22.1	21.9
G10-3968R2	22.1	21.4	22.6	21.3	22.6	22.0
G11PR-418R2	22.0	21.5	22.4	21.7	22.9	22.1
G11PR-56158R2	22.5	21.3	22.4	21.1	22.5	22.0
G11PR-56183R2	22.4	20.9	22.5	21.7	22.9	22.1
G11PR-56238R2	21.9	22.3	22.1	21.2	22.3	22.0
N05-316	22.4	21.3	22.4	21.9	22.4	22.1
N09-12441	22.5	22.2	21.8	21.7	23.1	22.3
N09-12455	22.6	22.0	22.4	21.8	23.1	22.4
N09-12854	20.8	.	21.7	20.4	21.6	21.1
N09-12980	21.1	21.0	21.6	20.9	21.5	21.2
N7103	19.5	19.4	19.5	20.0	19.6	19.6
NLM09-52	21.5	20.6	21.8	20.1	22.0	21.2
NMS5-11-1-4	20.8	22.0	26.2	21.7	22.3	22.6
SC10-318RR	21.4	21.3	21.9	21.4	21.2	21.4
SC10-397RR	22.3	21.6	22.2	21.9	20.9	21.8
SC10-400RR	21.9	21.8	21.5	21.6	20.7	21.5
SC10-401RR	22.2	21.8	22.1	21.1	20.9	21.6
SC10-404RR	22.4	22.0	21.9	21.5	20.8	21.7
SC10-406RR	22.4	22.2	22.5	22.1	21.7	22.2
TCWN05/06-5050	21.0	21.6	21.3	22.2	20.6	21.3
TCWN05/06-5165	22.0	21.7	22.1	21.4	22.3	21.9
Mean	21.9	21.5	22.3	21.5	21.9	.

TABLE 93 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII FOR YEAR 2013

STRAIN/ VARIETY	Athens, GA(A)	Kinston, NC	Plains, GA	Plymouth, NC	Tallassee, AL(A)	Test Mean
G06-3182RR	38.4	38.8	40.9	37.4	39.8	39.1
AGS787RR	39.4	39.9	40.5	39.3	39.1	39.6
N7003CN	39.2	41.5	41.4	39.5	40.0	40.3
NCC06-899	39.1	39.9	39.7	39.1	40.3	39.6
G10-3833 RR	40.1	42.1	40.8	41.5	41.8	41.3
G10-3954R2	40.2	41.0	41.6	40.8	41.2	41.0
G10-3968R2	40.7	40.5	40.6	41.4	41.2	40.9
G11PR-418R2	41.1	41.5	41.9	41.8	41.4	41.5
G11PR-56158R2	41.3	42.2	41.5	43.7	42.0	42.1
G11PR-56183R2	40.9	41.9	41.4	42.2	41.3	41.5
G11PR-56238R2	40.1	40.7	41.0	39.9	40.0	40.3
N05-316	41.2	41.0	42.4	41.0	42.3	41.6
N09-12441	42.3	42.3	43.1	42.5	41.4	42.3
N09-12455	40.8	41.3	42.4	41.6	41.1	41.4
N09-12854	41.2	.	40.8	41.0	41.2	41.1
N09-12980	40.9	40.1	40.4	41.2	40.6	40.6
N7103	41.5	42.7	43.2	39.5	42.9	42.0
NLM09-52	44.8	45.5	44.5	46.0	44.6	45.1
NMS5-11-1-4	41.4	42.8	43.4	41.9	42.8	42.5
SC10-318RR	40.8	41.8	41.8	41.3	41.4	41.4
SC10-397RR	39.5	39.6	40.2	38.5	40.6	39.7
SC10-400RR	40.9	40.1	42.1	40.3	41.5	41.0
SC10-401RR	40.3	39.9	41.0	41.4	41.0	40.7
SC10-404RR	39.4	39.2	40.4	38.9	40.7	39.7
SC10-406RR	39.9	39.9	41.9	39.9	40.8	40.5
TCWN05/06-5050	42.6	42.3	43.2	39.5	42.7	42.1
TCWN05/06-5165	41.3	42.0	43.2	42.9	41.5	42.2
Mean	40.7	41.2	41.7	40.9	41.3	.

TABLE 94 - SEED SIZE IN GRAMS PER 100 SEED FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII FOR YEAR 2013

STRAIN/ VARIETY	Athens, GA(A)	Kinston, NC	Plains, GA	Plymouth, NC	Tallassee, AL(A)	Test Mean
G06-3182RR	12.6	16.2	15.4	16.1	11.4	14.3
AGS787RR	13.7	17.1	16.5	16.3	13.2	15.3
N7003CN	16.5	18.0	18.4	19.8	14.4	17.4
NCC06-899	15.9	14.7	17.3	18.6	15.5	16.4
G10-3833 RR	14.1	12.8	13.8	16.7	11.8	13.8
G10-3954R2	13.6	14.0	16.1	18.4	13.7	15.2
G10-3968R2	14.0	11.7	14.4	16.9	12.8	14.0
G11PR-418R2	15.9	14.5	17.8	21.2	16.2	17.1
G11PR-56158R2	18.2	15.8	17.9	20.8	17.0	17.9
G11PR-56183R2	18.1	15.0	16.6	19.7	15.7	17.0
G11PR-56238R2	16.2	14.1	16.8	18.9	13.3	15.9
N05-316	14.2	12.9	15.8	17.5	13.3	14.7
N09-12441	18.3	15.4	22.1	21.9	16.7	18.9
N09-12455	17.5	15.2	19.8	22.3	15.0	18.0
N09-12854	13.2	.	15.2	17.3	12.5	14.2
N09-12980	12.7	11.8	14.7	17.1	11.7	13.6
N7103	7.4	7.5	9.0	12.4	7.8	8.8
NLM09-52	21.4	19.2	20.9	23.1	16.4	20.2
NMS5-11-1-4	9.5	9.6	11.2	14.4	8.5	10.6
SC10-318RR	15.4	15.1	17.4	20.6	14.4	16.6
SC10-397RR	16.0	15.0	16.6	19.5	12.7	16.0
SC10-400RR	16.2	13.7	16.8	21.3	13.1	16.2
SC10-401RR	16.1	14.3	17.2	19.7	12.9	16.0
SC10-404RR	16.4	12.9	16.3	19.2	11.6	15.3
SC10-406RR	15.0	13.4	17.2	19.3	13.5	15.7
TCWN05/06-5050	16.5	.	20.2	19.3	13.0	16.9
TCWN05/06-5165	18.4	18.2	21.7	22.4	15.0	19.1
Mean	15.3	14.4	16.8	18.9	13.4	.

TABLE 95 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR PRELIMINARY GROUP VII FOR YEAR 2013

STRAIN/ VARIETY	Athens, GA(A)	Kinston, NC	Plains, GA	Plymouth, NC	Tallassee, AL(A)	Test Mean
G06-3182RR	10/11	10/23	.	10/23	10/13	10/17
AGS787RR	3	1	.	2	2	2
N7003CN	10	4	.	0	3	4
NCC06-899	8	2	.	1	3	3
G10-3833 RR	10	6	.	6	7	7
G10-3954R2	0	3	.	0	2	1
G10-3968R2	3	1	.	0	1	1
G11PR-418R2	4	3	.	2	2	3
G11PR-56158R2	6	5	.	3	5	4
G11PR-56183R2	7	5	.	3	3	4
G11PR-56238R2	7	2	.	2	2	3
N05-316	3	1	.	0	1	1
N09-12441	-1	-10	.	-2	-1	-3
N09-12455	2	3	.	2	-1	1
N09-12854	-1	2	.	-1	-3	-1
N09-12980	-3	-8	.	-2	-7	-5
N7103	8	2	.	-1	2	2
NLM09-52	13	11	.	10	9	11
NMS5-11-1-4	5	3	.	0	-2	1
SC10-318RR	5	2	.	1	5	3
SC10-397RR	9	5	.	2	8	6
SC10-400RR	10	7	.	3	8	7
SC10-401RR	9	5	.	2	8	6
SC10-404RR	10	6	.	3	7	6
SC10-406RR	6	4	.	0	6	4
TCWN05/06-5050	6	2	.	0	1	2
TCWN05/06-5165	9	6	.	4	5	6
Mean	6	3	.	1	3	.

**TABLE 96 - HEIGHT IN INCHES FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP VII FOR YEAR 2013**

STRAIN/ VARIETY	Athens, GA(A)	Kinston, NC	Plains, GA	Plymouth, NC	Tallassee, AL(A)	Test Mean
G06-3182RR	33	26	37	40	32	34
AGS787RR	32	32	38	46	28	35
N7003CN	38	27	34	43	30	35
NCC06-899	32	29	35	41	22	31
G10-3833 RR	39	36	41	43	32	38
G10-3954R2	34	30	39	49	38	38
G10-3968R2	36	27	39	44	35	36
G11PR-418R2	38	28	41	46	29	36
G11PR-56158R2	40	32	42	49	35	40
G11PR-56183R2	41	37	44	50	34	41
G11PR-56238R2	38	23	37	45	28	34
N05-316	32	25	35	44	33	34
N09-12441	34	23	36	42	23	32
N09-12455	31	28	36	43	28	33
N09-12854	29	19	34	42	27	30
N09-12980	35	25	34	46	31	34
N7103	28	20	29	35	22	27
NLM09-52	33	33	36	44	28	35
NMS5-11-1-4	26	28	34	41	24	30
SC10-318RR	37	35	47	48	34	40
SC10-397RR	36	25	45	46	35	38
SC10-400RR	36	31	42	45	36	38
SC10-401RR	38	29	45	46	34	38
SC10-404RR	35	24	46	44	28	35
SC10-406RR	31	19	43	40	31	33
TCWN05/06-5050	35	21	38	42	29	33
TCWN05/06-5165	40	35	41	49	30	39
Mean	35	28	39	44	30	.

**TABLE 97 - LODGING SCORE FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP VII FOR YEAR 2013**

STRAIN/ VARIETY	Athens, GA(A)	Kinston, NC	Plains, GA	Plymouth, NC	Tallassee, AL(A)	Test Mean
G06-3182RR	1.0	1.5	1.0	2.3	1.3	1.4
AGS787RR	1.0	1.5	1.3	2.5	1.0	1.5
N7003CN	2.3	1.3	1.3	3.0	1.0	1.8
NCC06-899	1.7	1.5	2.0	2.5	1.0	1.7
G10-3833 RR	1.3	1.5	1.0	2.0	1.0	1.4
G10-3954R2	1.0	1.5	1.0	2.0	1.0	1.3
G10-3968R2	1.0	1.5	1.3	2.0	1.0	1.4
G11PR-418R2	1.7	1.5	1.7	2.0	1.0	1.6
G11PR-56158R2	1.0	1.5	2.0	2.5	1.0	1.6
G11PR-56183R2	2.0	2.0	1.3	2.3	1.0	1.7
G11PR-56238R2	1.7	1.5	1.7	2.5	1.0	1.7
N05-316	1.3	1.3	1.0	2.3	1.0	1.4
N09-12441	1.0	1.5	1.0	2.0	1.0	1.3
N09-12455	1.0	1.5	1.0	2.0	1.0	1.3
N09-12854	1.0	1.3	1.0	1.8	1.0	1.2
N09-12980	1.3	1.5	1.3	2.3	1.0	1.5
N7103	1.0	1.3	1.0	1.8	1.0	1.2
NLM09-52	2.0	1.5	1.0	2.8	1.0	1.6
NMS5-11-1-4	1.7	2.0	4.0	3.5	1.0	2.4
SC10-318RR	1.0	1.5	1.3	2.0	1.0	1.4
SC10-397RR	1.0	1.3	1.0	1.5	1.0	1.2
SC10-400RR	1.0	1.5	1.0	1.5	1.0	1.2
SC10-401RR	1.0	1.5	1.0	1.8	1.0	1.2
SC10-404RR	1.0	1.5	1.0	1.8	1.0	1.2
SC10-406RR	1.0	1.0	1.0	1.5	1.0	1.1
TCWN05/06-5050	1.0	1.5	1.7	2.0	1.0	1.4
TCWN05/06-5165	1.3	1.5	1.7	2.5	1.0	1.6
Mean	1.3	1.5	1.4	2.2	1.0	.

TABLE 98 - SEED QUALITY SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII FOR YEAR 2013

STRAIN/ VARIETY	Athens, GA(A)	Kinston, NC	Plains, GA	Plymouth, NC	Tallassee, AL(A)	Test Mean
G06-3182RR	1.0	.	1.3	.	1.2	1.2
AGS787RR	1.0	.	1.0	.	1.4	1.1
N7003CN	1.3	.	2.7	.	1.9	2.0
NCC06-899	1.0	.	1.0	.	1.4	1.1
G10-3833 RR	1.0	.	1.0	.	1.4	1.1
G10-3954R2	1.0	.	1.0	.	1.5	1.2
G10-3968R2	1.0	.	1.3	.	1.5	1.3
G11PR-418R2	1.3	.	2.0	.	1.1	1.5
G11PR-56158R2	1.0	.	1.0	.	1.5	1.2
G11PR-56183R2	1.0	.	1.0	.	1.4	1.1
G11PR-56238R2	1.0	.	1.3	.	1.3	1.2
N05-316	1.0	.	1.0	.	1.3	1.1
N09-12441	1.3	.	2.3	.	1.6	1.8
N09-12455	1.3	.	1.3	.	1.3	1.3
N09-12854	1.3	.	1.0	.	1.1	1.1
N09-12980	1.3	.	1.0	.	1.5	1.3
N7103	1.0	.	1.0	.	1.2	1.1
NLM09-52	1.0	.	1.0	.	1.2	1.1
NMS5-11-1-4	1.7	.	2.0	.	1.5	1.7
SC10-318RR	1.0	.	2.0	.	1.3	1.4
SC10-397RR	1.7	.	2.3	.	1.3	1.8
SC10-400RR	1.7	.	2.0	.	1.0	1.6
SC10-401RR	1.7	.	2.0	.	1.4	1.7
SC10-404RR	1.7	.	2.0	.	1.1	1.6
SC10-406RR	1.7	.	2.0	.	1.4	1.7
TCWN05/06-5050	1.7	.	2.0	.	1.4	1.7
TCWN05/06-5165	1.3	.	1.7	.	1.4	1.5
Mean	1.3	.	1.5	.	1.4	.

TABLE 99 - PARENTAGE OF STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2013

	STRAIN/VARIETY	PARENTAGE	<i>F_n</i>	SPECIAL TRAITS
1	AGS828RR	Prichard RR x SC96-1476		
2	N8001	N7001 × Cook		
3	N05-7432	N7002 x N98-7265		
4	G08-3279 RR	G00-3209 X G03-952 RR	F5d	
5	G08-5122 RR	N97-9658 X G02-G176376	F7d	
6	G10PR-56264R2	G00-3213(2) X RR2Y	F4d	
7	G10PR-56444R2	G93-2225 X (G00-3213 X RR2Y)	F4d	
8	N09-13663	N98-7961xN02-8718	F4	DIV
9	N09-13671	N98-7961xN02-8718	F4	DIV
10	SC06-291RR	SC98-1930/SC00-892RR	F5	LJ
11	SC07-786RR	SC01-786RR/G00-3213	F5	
12	SC07-1490RR	SC01-809RR/G99-3211	F5	
13	SC07-1518RR	SC01-809RR/G99-3211	F5	
14	SC09-092RR	N97-9658/SC00-643RR	F6	
15	SC09-102RR	G00-3213/SC00-643RR	F6	
16	SC09-210RR	SC01-809RR/G99-3211	F6	

**TABLE 100 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY
GROWN IN UNIFORM TEST VIII FOR YEAR 2013**

STRAIN/ VARIETY	AVERAGE		YIELD ‡			PROTEIN			OIL		
	RANK	RANK	2013	12-13	11-13	2013	12-13	11-13	2013	12-13	11-13
AGS828RR	5	7	57.9	.	.	41.3	.	.	20.8	.	.
N8001	8	9	54.6	51.0	49.4	41.6	41.5	41.4	20.5	20.6	20.6
N05-7432	1	4	60.9	55.9	53.3	41.1	41.2	41.0	20.6	20.8	20.9
G08-3279 RR	3	6	58.3	54.4	.	42.0	41.8	.	20.9	21.0	.
G08-5122 RR	13	10	53.5	51.8	.	40.9	40.7	.	21.2	21.6	.
G10PR-56264R2	4	5	58.1	.	.	41.8	.	.	21.5	.	.
G10PR-56444R2	2	5	59.7	.	.	42.0	.	.	21.1	.	.
N09-13663	6	9	55.7	51.3	.	42.0	41.9	.	22.0	22.1	.
N09-13671	7	9	54.7	50.8	.	42.0	41.7	.	21.8	21.9	.
SC06-291RR	9	9	54.1	51.4	.	43.2	42.6	.	20.0	20.5	.
SC07-786RR	15	11	52.4	49.9	48.8	41.7	41.6	41.4	22.0	22.0	22.0
SC07-1490RR	10	11	53.9	52.0	49.9	42.3	42.1	41.7	21.0	21.3	21.4
SC07-1518RR	14	11	53.2	51.7	50.5	41.7	41.7	41.4	21.5	21.7	21.6
SC09-092RR	16	12	50.3	.	.	42.2	.	.	21.3	.	.
SC09-102RR	12	10	53.7	.	.	42.3	.	.	21.8	.	.
SC09-210RR	11	10	53.8	.	.	41.6	.	.	20.4	.	.
Mean	.	.	55.3	.	.	41.9	.	.	21.2	.	.
LSD(0.05)	.	.	5.7	.	.	0.8	.	.	0.6	.	.
CV(%)	.	.	11.1	.	.	1.5	.	.	2.2	.	.

‡ Data not included in mean: 2013 – Florence, SC; Tallassee, AL(A); Tallassee, AL(B); Tifton, GA
2012 – Clayton, NC
2011 – Fairhope, AL

**TABLE 101 - GENERAL SUMMARY OF BOTANICAL TRAITS FOR STRAIN/VARIETY
GROWN IN UNIFORM TEST VIII FOR YEAR 2013**

STRAIN/ VARIETY	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	FL. COLOR	PUB. COLOR	POD COLOR
AGS828RR	0	1.6	30	1.4	13.0			
N8001	0	1.4	31	1.4	14.8			
N05-7432	5	1.7	30	1.5	14.5			
G08-3279 RR	2	1.5	34	1.5	15.5	W	T	T
G08-5122 RR	2	1.7	34	1.3	13.8	W	G	T
G10PR-56264R2	0	1.3	33	1.3	14.0	W	T	T
G10PR-56444R2	2	1.5	30	1.3	14.7	P	T	T
N09-13663	5	1.6	29	1.5	17.7	P	G	
N09-13671	3	1.3	30	1.5	15.5	P	G	
SC06-291RR	6	1.8	37	1.5	13.1	W	G	T
SC07-786RR	6	1.3	35	1.4	15.8	W	T	T
SC07-1490RR	4	1.4	35	1.3	15.1	W	G	T
SC07-1518RR	5	1.2	33	1.6	14.9	W	G	T
SC09-092RR	5	1.3	33	1.5	15.9	P	T	T
SC09-102RR	4	1.3	32	1.3	15.7	W	T	T
SC09-210RR	5	1.3	32	1.7	14.6	W	G	T
Mean	3	1.5	32	1.4	14.9			
LSD(0.05)	2	0.3	2	0.3	0.7			
CV(%)	76	28.0	9	24.0	5.5			

**TABLE 102 - GENERAL SUMMARY OF PEST REACTION FOR STRAIN/VARIETY
GROWN IN UNIFORM TEST VIII FOR YEAR 2013**

STRAIN/ VARIETY	SCN HG TYPE 1.2.5.7 Race 2	SCN HG TYPE 5.7 Race 3	SCN HG TYPE 2.5.7 Race 5	PRK GA	SRK GA	SC RATING	SC SCORE	SDS DX
AGS828RR	5	5	4	4.3	1.0	1.0	R	.
N8001	5	4	5	5.0	1.3	5.0	S	.
N05-7432	5	4	4	4.8	3.0	5.0	S	.
G08-3279 RR	5	4	4	4.8	1.0	4.0	MS	.
G08-5122 RR	5	2	3	4.8	1.0	4.0	MS	.
G10PR-56264R2	5	5	4	1.3	1.0	4.0	MS	.
G10PR-56444R2	2	5	1	2.5	1.0	1.0	R	.
N09-13663	5	4	5	4.8	4.5	5.0	S	.
N09-13671	5	5	5	5.0	1.8	5.0	S	.
SC06-291RR	5	4	4	4.5	1.0	1.0	R	.
SC07-786RR	3	2	1	4.5	1.0	1.0	R	.
SC07-1490RR	5	1	2	4.3	1.3	1.0	R	.
SC07-1518RR	5	3	3	4.8	1.0	1.0	R	.
SC09-092RR	5	3	4	4.8	1.0	1.0	R	.
SC09-102RR	4	3	4	3.3	1.0	3.0	SS	.
SC09-210RR	5	3	4	4.8	2.0	1.0	R	.

TABLE 103 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VIII FOR YEAR 2013

East

STRAIN/ VARIETY	Clayton, NC	Kinston, NC	Area Mean
AGS828RR	33.9	43.7	38.8
N8001	35.8	38.7	37.3
N05-7432	38.1	44.9	41.5
G08-3279 RR	45.3	43.4	44.4
G08-5122 RR	28.4	44.4	36.4
G10PR-56264R2	43.7	47.9	45.8
G10PR-56444R2	39.2	46.8	43.0
N09-13663	38.8	40.9	39.6
N09-13671	37.8	44.5	40.5
SC06-291RR	45.6	47.7	45.9
SC07-786RR	43.0	40.8	41.9
SC07-1490RR	34.3	37.6	35.9
SC07-1518RR	21.9	46.2	35.7
SC09-092RR	28.5	35.8	32.2
SC09-102RR	36.9	46.7	41.8
SC09-210RR	41.7	47.6	46.7
Mean	37.1	43.6	40.5
LSD(0.05)	9.6	7.4	.
CV(%)	14.8	9.8	.

TABLE 103 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VIII FOR YEAR 2013

South

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Fairhope, AL	Florence, ‡ SC	Plains, GA	Tallassee, ‡ AL(A)	Tallassee, ‡ AL(B)	Tifton, ‡ GA	Area Mean
AGS828RR	68.7	66.0	64.0	35.5	71.1	34.9	28.7	30.5	67.5
N8001	57.5	60.8	65.4	51.8	69.4	38.9	25.8	23.7	63.3
N05-7432	67.8	74.1	65.9	46.2	74.3	31.1	30.2	43.6	70.5
G08-3279 RR	63.0	72.2	58.4	48.1	67.5	50.0	33.3	53.7	65.3
G08-5122 RR	56.0	66.5	58.9	53.4	66.5	48.5	33.1	49.8	62.0
G10PR-56264R2	64.3	66.5	55.7	58.8	70.4	60.2	31.8	48.5	64.2
G10PR-56444R2	57.1	67.1	73.7	52.2	74.0	44.3	29.2	44.3	68.0
N09-13663	65.1	64.8	57.8	50.6	66.5	42.6	24.8	49.1	63.6
N09-13671	56.6	67.2	59.4	53.4	63.0	44.0	39.0	48.0	61.6
SC06-291RR	61.3	56.9	50.6	44.4	64.1	39.2	31.8	27.0	58.2
SC07-786RR	56.4	65.1	45.5	55.4	63.8	43.6	33.1	53.2	57.7
SC07-1490RR	55.3	63.4	65.1	50.8	67.6	43.3	28.0	34.0	62.9
SC07-1518RR	57.3	63.3	65.1	49.4	63.5	39.7	31.3	48.8	62.3
SC09-092RR	60.8	64.9	47.6	51.0	64.2	37.0	33.8	44.2	59.4
SC09-102RR	59.9	61.5	52.2	53.6	65.3	49.3	39.2	56.8	59.7
SC09-210RR	54.4	53.4	62.4	41.1	64.7	41.8	23.7	46.1	58.7
Mean	60.1	64.6	59.2	49.7	67.2	43.0	31.1	43.8	62.8
LSD(0.05)	7.2	7.9	7.1	15.1	6.7	13.8	11.1	11.6	.
CV(%)	7.2	7.3	7.1	17.9	6.0	19.3	21.5	15.9	.

‡ Data not included in mean.

**TABLE 104 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN
UNIFORM GROUP VIII FOR YEAR 2013**

STRAIN/ VARIETY	Athens, GA(A)	Clayton, NC	Florence, SC	Kinston, NC	Tallassee, AL(A)	Test Mean
AGS828RR	21.0	20.9	19.8	21.3	20.9	20.8
N8001	20.9	20.5	19.6	20.8	20.9	20.5
N05-7432	21.7	20.4	19.5	20.4	21.0	20.6
G08-3279 RR	21.0	21.5	20.0	20.8	21.1	20.9
G08-5122 RR	22.2	19.9	20.9	21.1	21.9	21.2
G10PR-56264R2	22.1	21.8	20.3	20.9	22.5	21.5
G10PR-56444R2	21.8	20.5	20.6	20.7	21.9	21.1
N09-13663	22.0	21.9	21.3	21.8	22.9	22.0
N09-13671	21.9	21.7	20.9	21.8	22.9	21.8
SC06-291RR	20.7	20.4	19.0	20.4	19.7	20.0
SC07-786RR	22.3	22.1	21.6	21.7	22.4	22.0
SC07-1490RR	21.8	20.2	20.3	21.4	21.4	21.0
SC07-1518RR	22.4	19.9	20.9	21.8	22.5	21.5
SC09-092RR	21.7	20.6	21.1	21.4	21.6	21.3
SC09-102RR	22.1	21.3	21.5	21.6	22.4	21.8
SC09-210RR	21.5	19.2	19.6	20.4	21.2	20.4
Mean	21.7	20.8	20.4	21.1	21.7	.

**TABLE 105 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN
UNIFORM GROUP VIII FOR YEAR 2013**

STRAIN/ VARIETY	Athens, GA(A)	Clayton, NC	Florence, SC	Kinston, NC	Tallassee, AL(A)	Test Mean
AGS828RR	41.8	41.8	42.1	40.2	40.6	41.3
N8001	41.3	41.3	42.6	42.2	40.7	41.6
N05-7432	41.0	40.7	42.3	40.9	40.8	41.1
G08-3279 RR	42.4	40.9	43.0	41.3	42.6	42.0
G08-5122 RR	40.4	41.5	40.1	41.7	41.0	40.9
G10PR-56264R2	40.6	40.4	43.5	42.5	42.1	41.8
G10PR-56444R2	41.7	42.0	42.2	42.3	41.6	42.0
N09-13663	42.4	41.9	42.5	42.0	41.4	42.0
N09-13671	42.2	41.7	42.5	42.0	41.5	42.0
SC06-291RR	43.1	42.2	44.4	43.0	43.4	43.2
SC07-786RR	41.8	40.6	41.6	42.1	42.5	41.7
SC07-1490RR	42.0	42.2	43.4	41.7	42.1	42.3
SC07-1518RR	41.4	42.0	42.2	41.3	41.6	41.7
SC09-092RR	42.6	42.3	42.1	41.5	42.4	42.2
SC09-102RR	42.0	42.3	42.5	43.1	41.8	42.3
SC09-210RR	40.4	41.8	42.4	42.1	41.2	41.6
Mean	41.7	41.6	42.5	41.9	41.7	.

**TABLE 106 - SIZE (GRAMS PER 100 SEED) FOR STRAIN/VARIETY GROWN IN
UNIFORM GROUP VIII FOR YEAR 2013**

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Clayton, NC	Fairhope, AL	Florence, SC	Kinston, NC	Plains, GA	Tallassee, AL(A)	Tallassee, AL(B)	Tifton, GA	Test Mean
AGS828RR	14.1	15.0	14.5	15.6	12.7	12.3	13.4	10.9	11.1	10.0	13.0
N8001	14.2	17.8	15.9	17.0	14.9	15.7	16.7	12.4	12.3	10.9	14.8
N05-7432	15.7	16.9	15.5	16.7	14.2	13.4	15.7	12.3	12.1	12.5	14.5
G08-3279 RR	16.5	19.0	17.0	16.1	15.1	14.8	15.6	13.5	13.5	13.6	15.5
G08-5122 RR	14.8	15.9	14.2	15.9	12.5	14.0	14.6	11.9	12.4	12.0	13.8
G10PR-56264R2	14.8	16.2	15.1	13.7	13.5	13.2	15.0	14.3	12.5	11.8	14.0
G10PR-56444R2	15.1	16.5	15.0	19.4	13.6	14.9	16.6	12.7	11.4	11.6	14.7
N09-13663	18.3	20.3	19.1	20.1	16.8	18.0	18.2	14.8	15.5	16.1	17.7
N09-13671	16.8	19.1	16.0	17.8	14.2	13.6	16.1	14.2	14.1	13.2	15.5
SC06-291RR	14.6	15.1	14.0	14.9	12.2	13.8	14.4	10.5	10.9	10.2	13.1
SC07-786RR	18.5	18.1	16.9	15.1	14.7	15.3	15.9	14.2	15.1	14.5	15.8
SC07-1490RR	16.3	17.7	15.0	17.8	14.8	14.5	16.8	12.5	13.5	11.9	15.1
SC07-1518RR	14.8	17.3	15.3	17.4	14.1	14.9	15.9	12.8	13.9	13.1	14.9
SC09-092RR	18.4	17.8	16.8	15.9	15.6	14.6	16.7	13.7	14.5	15.1	15.9
SC09-102RR	17.5	18.0	16.4	16.1	14.8	15.3	17.0	13.5	13.9	14.8	15.7
SC09-210RR	15.3	16.4	14.9	17.3	13.7	14.0	16.0	12.0	12.7	14.0	14.6
Mean	16.0	17.3	15.7	16.7	14.2	14.4	15.9	12.9	13.1	12.8	.

TABLE 107 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2013

East

STRAIN/ VARIETY	Clayton, NC	Kinston, NC	Area Mean
AGS828RR	11/4	10/24	10/29
N8001	-4	7	2
N05-7432	4	5	5
G08-3279 RR	-3	8	2
G08-5122 RR	2	7	4
G10PR-56264R2	-5	7	1
G10PR-56444R2	2	8	5
N09-13663	3	6	5
N09-13671	3	5	4
SC06-291RR	4	7	6
SC07-786RR	1	11	6
SC07-1490RR	5	7	6
SC07-1518RR	7	10	8
SC09-092RR	4	9	6
SC09-102RR	2	10	6
SC09-210RR	4	7	6
Mean	2	7	4

TABLE 107 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2013

South

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Fairhope, AL	Florence, SC	Tallassee, AL(A)	Tallassee, AL(B)	Tifton, GA	Area Mean
AGS828RR	10/22	10/30	10/18	10/28	10/17	10/28	10/5	10/21
N8001	-3	0	0	.	-1	0	-1	-1
N05-7432	3	4	3	.	9	3	12	6
G08-3279 RR	0	0	0	.	5	1	7	2
G08-5122 RR	-1	1	-2	0	3	2	7	2
G10PR-56264R2	-5	-2	-2	0	1	-2	4	-1
G10PR-56444R2	-1	2	4	.	5	1	0	2
N09-13663	6	3	-1	.	5	1	16	5
N09-13671	0	1	-3	.	9	1	8	3
SC06-291RR	4	6	3	.	11	3	9	6
SC07-786RR	6	4	-1	.	11	2	11	5
SC07-1490RR	4	2	2	.	5	4	7	4
SC07-1518RR	3	3	2	.	9	3	7	5
SC09-092RR	2	1	-2	.	10	3	12	4
SC09-102RR	-1	3	-2	.	11	3	8	4
SC09-210RR	0	2	3	.	10	4	11	5
Mean	1	2	0	0	7	2	8	3

TABLE 108 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2013

East

STRAIN/ VARIETY	Clayton, NC	Kinston, NC	Area Mean
AGS828RR	30	27	28
N8001	30	24	26
N05-7432	26	28	27
G08-3279 RR	35	27	30
G08-5122 RR	29	32	31
G10PR-56264R2	28	34	31
G10PR-56444R2	26	28	27
N09-13663	31	26	28
N09-13671	30	23	26
SC06-291RR	31	36	34
SC07-786RR	30	29	29
SC07-1490RR	34	29	31
SC07-1518RR	29	30	30
SC09-092RR	31	23	26
SC09-102RR	25	29	27
SC09-210RR	27	27	27
Mean	30	28	.

TABLE 108 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2013

South

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Fairhope, AL	Florence, SC	Plains, GA	Tallassee, AL(A)	Tallassee, AL(B)	Tifton, GA	Area Mean
AGS828RR	43	30	35	18	39	25	19	38	31
N8001	41	27	38	24	39	25	27	40	33
N05-7432	43	25	36	21	38	23	24	37	31
G08-3279 RR	50	30	39	22	41	28	26	41	35
G08-5122 RR	46	35	38	30	40	24	28	41	35
G10PR-56264R2	45	30	38	23	41	26	22	39	33
G10PR-56444R2	44	25	38	19	37	24	23	36	31
N09-13663	42	27	32	21	36	24	21	37	30
N09-13671	42	26	35	22	37	23	21	37	30
SC06-291RR	52	32	45	25	42	28	29	47	38
SC07-786RR	49	31	44	24	44	29	28	41	37
SC07-1490RR	49	30	40	24	43	31	27	45	36
SC07-1518RR	46	28	42	22	40	26	25	39	34
SC09-092RR	48	24	42	26	43	21	28	44	34
SC09-102RR	47	24	39	21	43	28	25	37	33
SC09-210RR	44	27	39	24	42	25	26	41	34
Mean	46	28	39	23	40	26	25	40	.

TABLE 109 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2013

East

STRAIN/ VARIETY	Clayton, NC	Kinston, NC	Area Mean
AGS828RR	1.8	2.5	2.1
N8001	1.5	1.0	1.3
N05-7432	2.0	2.8	2.4
G08-3279 RR	2.0	1.3	1.6
G08-5122 RR	1.8	2.0	1.9
G10PR-56264R2	1.8	1.5	1.6
G10PR-56444R2	1.8	1.5	1.6
N09-13663	2.0	2.5	2.3
N09-13671	2.0	1.3	1.6
SC06-291RR	2.0	2.5	2.3
SC07-786RR	1.8	1.3	1.5
SC07-1490RR	1.8	1.0	1.4
SC07-1518RR	1.3	1.0	1.1
SC09-092RR	1.8	1.0	1.4
SC09-102RR	1.5	1.5	1.5
SC09-210RR	1.5	1.8	1.6
Mean	1.8	1.6	.

**TABLE 109 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN
UNIFORM GROUP VIII FOR YEAR 2013**

South

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Fairhope, AL	Florence, SC	Plains, GA	Tallassee, AL(A)	Tallassee, AL(B)	Tifton, GA	Area Mean
AGS828RR	2.7	1.0	2.0	1.8	1.7	1.0	1.0	1.0	1.5
N8001	2.3	1.0	2.0	1.8	1.0	1.0	1.0	1.0	1.4
N05-7432	2.3	1.0	2.0	1.8	2.0	1.0	1.0	1.0	1.5
G08-3279 RR	2.0	1.0	2.7	2.0	1.0	1.0	1.0	1.0	1.5
G08-5122 RR	3.0	1.0	2.0	2.0	1.3	1.0	1.0	2.0	1.7
G10PR-56264R2	1.7	1.0	1.0	1.8	1.0	1.0	1.0	1.0	1.2
G10PR-56444R2	2.0	1.0	2.0	1.7	1.0	1.0	1.0	2.0	1.5
N09-13663	2.3	1.0	2.0	2.0	1.7	1.0	1.0	1.0	1.5
N09-13671	1.0	1.0	1.7	1.7	1.0	1.0	1.0	1.0	1.2
SC06-291RR	2.0	1.0	3.0	2.0	1.0	1.0	1.0	3.0	1.8
SC07-786RR	1.3	1.0	2.0	1.8	1.0	1.0	1.0	1.0	1.3
SC07-1490RR	1.0	1.0	2.0	2.0	1.0	1.0	1.0	2.0	1.4
SC07-1518RR	1.3	1.0	2.0	1.7	1.0	1.0	1.0	1.0	1.3
SC09-092RR	1.3	1.0	2.0	1.8	1.0	1.0	1.0	1.0	1.3
SC09-102RR	1.3	1.0	1.7	1.8	1.0	1.0	1.0	1.0	1.2
SC09-210RR	1.0	1.0	2.0	1.8	1.0	1.0	1.0	1.0	1.2
Mean	1.8	1.0	2.0	1.9	1.2	1.0	1.0	1.3	.

**TABLE 110 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN
UNIFORM GROUP VIII FOR YEAR 2013**

South

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Fairhope, AL	Florence, SC	Plains, GA	Tallassee, AL(A)	Tallassee, AL(B)	Tifton, GA	Area Mean
AGS828RR	1.0	1.0	1.4	3.0	1.0	1.5	1.0	1.5	1.4
N8001	1.0	1.0	1.5	2.3	1.3	1.4	1.0	1.5	1.4
N05-7432	1.0	1.0	1.8	2.5	1.3	1.6	1.0	1.7	1.5
G08-3279 RR	1.3	1.0	1.4	3.0	1.0	1.6	1.0	1.5	1.5
G08-5122 RR	1.0	1.0	1.1	2.2	1.0	1.3	1.0	1.7	1.3
G10PR-56264R2	1.0	1.0	1.0	2.5	1.0	1.5	1.0	1.3	1.3
G10PR-56444R2	1.0	1.0	1.4	2.5	1.0	1.2	1.0	1.3	1.3
N09-13663	2.3	1.0	1.2	2.5	1.3	1.2	1.0	1.5	1.5
N09-13671	2.3	1.0	1.2	2.8	1.0	1.3	1.0	1.3	1.5
SC06-291RR	1.3	1.3	1.2	2.8	1.7	1.0	1.0	1.8	1.5
SC07-786RR	1.0	1.0	1.0	3.0	1.3	1.3	1.0	1.5	1.4
SC07-1490RR	1.0	1.3	1.1	2.8	1.0	1.0	1.0	1.5	1.3
SC07-1518RR	1.3	1.7	1.3	3.5	1.0	1.3	1.0	1.7	1.6
SC09-092RR	1.3	1.0	1.3	2.7	1.0	1.8	1.0	1.5	1.5
SC09-102RR	1.0	1.0	1.0	2.5	1.0	1.5	1.0	1.5	1.3
SC09-210RR	2.0	1.3	1.8	2.7	2.0	1.4	1.0	1.7	1.7
Mean	1.3	1.1	1.3	2.7	1.2	1.4	1.0	1.5	.

**TABLE 111 - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII
FOR YEAR 2013**

	STRAIN/VARIETY	PARENTAGE	Fn	SPECIAL TRAITS
1	AGS828RR	Prichard RR x SC96-1476		
2	N8001	N7001 × Cook		
3	N05-7432	N7002 x N98-7265		
4	G10-3896 RR	G03-825-RR X G00-3213	F6d	
5	G10-3913R2	G00-3213 X NC7308A1-COYN	F6d	
6	G11PR-209R2	G00-3880(2) RR2Y	BC1F5d	
7	G11PR-266R2	G93-2225 X (G00-3213 X RR2Y)	F5d	
8	G11PR-407R2	G00-3213(3)RR2Y x {G00-3213(2) x [G00-3209 x G01-PR68 (Rpp?Hyyuga)] F2}F1}	F2d	
9	G11PR-56151R2	G00-3213(4) X RR2Y	BC3F3d	
10	G11PR-56232R2	G00-3880(4) X RR2Y	BC3F3d	
11	N09-13317	N98-7961xN95-7296	F4	DIV
12	SC10-270RR	SC98-1850/SC01-783RR	F5	LJ
13	SC10-273RR	SC98-2070/SC01-783RR	F5	LJ
14	SC10-359RR	SC98-2070/SC01-783RR	F5	LJ
15	SC10-394RR	SC98-2070/SC01-783RR	F5	LJ
16	SC10-455RR	SC98-2070/SC01-783RR	F5	LJ
17	SC10-456RR	SC98-2070/SC01-783RR	F5	LJ

**TABLE 112 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY
GROWN IN PRELIMINARY TEST VIII FOR YEAR 2013**

STRAIN/ VARIETY	SEED YIELD	RANK	AVG. RANK	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SIZE	% PROTEIN	% OIL	HG TYPE			SC RATING	SC SCORE	FL COLOR	PUB. COLOR	POD COLOR
											1.2.5.7	5.7	2.5.7					
											Race 2	Race 3	Race 5					
AGS828RR	51.8	5	7	0	1.7	33	1.5	12.8	41.1	20.8	4	4	5	R	1			
N8001	49.9	10	8	-2	1.3	32	1.4	14.8	40.6	21.0	5	5	5	S	5			
N05-7432	52.2	4	5	5	1.9	30	1.5	14.6	40.6	21.1	4	5	5	S	5			
G10-3896 RR	48.2	13	11	5	1.5	36	1.4	13.7	40.3	21.1	4	1	4	S	5	P	G	T
G10-3913R2	51.6	6	8	-2	1.4	33	1.5	16.6	41.7	22.5	4	3	4	S	5	W	T	T
G11PR-209R2	54.2	2	5	-2	1.5	31	1.3	13.7	40.4	21.3	4	4	5	MS	4	P	T	T
G11PR-266R2	48.2	12	13	-1	1.6	32	1.7	13.0	42.5	20.0	4	3	4	SS	3	P	T	T
G11PR-407R2	54.6	1	5	5	1.5	34	1.4	15.0	41.2	22.4	4	3	5	R	1	W	G	T
G11PR-56151R2	53.2	3	5	-1	1.5	34	1.6	15.8	42.2	21.9	5	2	5	S	5	W	T	T
G11PR-56232R2	50.5	8	9	-3	1.5	32	1.7	14.2	40.6	21.0	5	3	5	S	5	P	T	T
N09-13317	49.2	11	11	3	1.6	33	1.7	15.5	41.0	22.4	5	5	5	S	5	P	G	
SC10-270RR	41.2	17	14	4	1.2	33	1.8	14.9	40.2	22.0	5	3	4	MS	4	P	G	T
SC10-273RR	43.5	16	13	3	1.7	37	1.7	15.2	40.6	22.2	4	4	5	R	1	P	G	T
SC10-359RR	45.0	15	13	2	1.3	33	2.2	16.6	40.8	21.8	4	5	5	SS	3	P	G	T
SC10-394RR	50.8	7	7	2	1.2	33	2.0	15.4	41.2	20.7	5	4	5	S	5	P	G	T
SC10-455RR	46.6	14	10	1	1.3	33	2.0	14.3	41.8	21.5	5	4	5	R	1	P	G	T
SC10-456RR	50.0	9	8	-1	1.2	37	1.7	14.8	40.1	21.5	5	4	5	R	1	P	G	T
Mean	49.4	.	.	1	1.5	33	1.6	14.8	41.0	21.5	.	.	.		.			
LSD(0.05)	6.4	.	.	3	.	3	0.5	0.8	0.8	0.6	.	.	.		.			
CV(%)	13.0	.	.	295	.	10	26.3	4.9	1.8	2.3	.	.	.		.			

TABLE 113 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII FOR YEAR 2013

STRAIN/ VARIETY	Athens, GA(A)	Clayton, NC	Florence, ‡ SC	Kinston, NC	Plains, GA	Tallassee, AL(A)	Test Mean
AGS828RR	63.8	43.7	61.4	42.5	67.3	41.5	51.8
N8001	70.0	41.6	44.5	43.6	63.5	30.6	49.9
N05-7432	73.0	42.6	50.1	44.1	71.3	30.1	52.2
G10-3896 RR	59.1	35.6	48.8	42.0	67.1	37.4	48.2
G10-3913R2	63.9	36.1	52.1	42.3	67.9	46.4	51.6
G11PR-209R2	70.4	48.0	51.7	42.7	69.2	40.5	54.2
G11PR-266R2	62.7	35.0	46.7	40.9	62.3	40.4	48.2
G11PR-407R2	71.3	45.8	47.7	43.9	66.3	45.9	54.6
G11PR-56151R2	64.1	37.6	52.4	47.3	70.8	46.3	53.2
G11PR-56232R2	65.7	37.9	50.5	41.8	65.1	41.8	50.5
N09-13317	69.8	35.3	41.5	43.5	62.1	35.4	49.2
SC10-270RR	55.6	36.7	25.4	43.6	56.9	14.5	41.2
SC10-273RR	57.0	46.9	38.4	38.6	52.7	25.4	43.5
SC10-359RR	64.6	36.7	35.1	41.3	61.5	20.7	45.0
SC10-394RR	72.1	35.1	43.1	45.7	68.8	32.2	50.8
SC10-455RR	55.0	42.3	35.5	48.1	62.8	24.8	46.6
SC10-456RR	61.5	43.4	46.9	46.5	63.1	36.3	50.0
Mean	64.7	40.0	45.4	43.4	64.6	34.7	49.4
LSD(0.05)	10.1	8.8	15.0	5.5	7.2	8.5	6.4
CV(%)	9.4	12.4	18.0	7.2	6.7	14.6	13.0

‡Data not included in mean.

**TABLE 114 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP VIII FOR YEAR 2013**

STRAIN/ VARIETY	Athens, GA(A)	Clayton, NC	Florence, SC	Kinston, NC	Plains, GA	Tallassee, AL(A)	Test Mean
AGS828RR	21.8	20.5	19.1	20.9	21.7	20.7	20.8
N8001	21.5	20.9	19.7	20.7	21.7	21.5	21.0
N05-7432	21.8	20.8	20.1	20.5	22.1	21.1	21.1
G10-3896 RR	21.8	20.6	19.9	20.9	21.7	21.8	21.1
G10-3913R2	23.4	21.6	20.6	22.1	23.4	23.6	22.5
G11PR-209R2	22.0	20.9	19.5	21.4	22.3	21.5	21.3
G11PR-266R2	20.4	19.9	18.3	20.3	20.7	20.2	20.0
G11PR-407R2	23.0	22.0	21.4	21.9	22.9	23.2	22.4
G11PR-56151R2	22.3	21.5	20.6	21.4	22.5	22.8	21.9
G11PR-56232R2	21.7	20.9	19.4	21.0	21.9	21.3	21.0
N09-13317	23.3	22.1	21.3	22.2	23.5	21.8	22.4
SC10-270RR	22.8	22.1	19.0	22.3	23.3	22.2	22.0
SC10-273RR	23.8	21.9	18.7	22.2	23.0	23.3	22.2
SC10-359RR	22.5	21.6	19.5	22.1	22.6	22.3	21.8
SC10-394RR	21.8	20.4	18.9	21.6	21.5	20.2	20.7
SC10-455RR	22.9	21.9	18.7	21.9	22.5	20.8	21.5
SC10-456RR	22.3	21.5	19.5	21.8	22.6	21.5	21.5
Mean	22.3	21.2	19.7	21.5	22.3	21.8	.

TABLE 115 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII FOR YEAR 2013

STRAIN/ VARIETY	Athens, GA(A)	Clayton, NC	Florence, SC	Kinston, NC	Plains, GA	Tallassee, AL(A)	Test Mean
AGS828RR	40.2	41.6	42.5	40.0	41.2	41.3	41.1
N8001	40.9	40.3	42.9	39.7	40.6	39.3	40.6
N05-7432	40.8	40.0	41.5	40.2	40.4	40.5	40.6
G10-3896 RR	40.8	39.4	41.3	39.2	40.9	40.2	40.3
G10-3913R2	41.3	40.9	42.4	42.1	41.8	41.6	41.7
G11PR-209R2	39.0	42.1	41.9	39.6	40.2	39.9	40.4
G11PR-266R2	42.4	42.7	43.8	40.6	43.2	42.3	42.5
G11PR-407R2	40.5	41.5	42.0	41.7	40.9	40.9	41.2
G11PR-56151R2	41.0	42.9	43.2	42.8	41.3	41.9	42.2
G11PR-56232R2	40.0	40.6	42.7	39.7	40.1	40.8	40.6
N09-13317	40.1	42.2	42.6	40.5	40.5	40.3	41.0
SC10-270RR	40.1	38.6	42.5	39.3	39.6	41.0	40.2
SC10-273RR	39.3	40.1	43.1	38.4	41.4	41.2	40.6
SC10-359RR	40.9	40.7	41.7	40.3	41.2	40.0	40.8
SC10-394RR	40.4	41.9	42.8	39.1	41.9	41.1	41.2
SC10-455RR	40.5	41.3	43.9	41.3	41.9	42.2	41.8
SC10-456RR	39.8	39.1	41.5	39.5	40.2	40.4	40.1
Mean	40.5	40.9	42.5	40.2	41.0	40.9	.

TABLE 116 - SEED SIZE IN GRAMS PER 100 SEED FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII FOR YEAR 2013

STRAIN/ VARIETY	Athens, GA(A)	Clayton, NC	Florence, SC	Kinston, NC	Plains, GA	Tallassee, AL(A)	Test Mean
AGS828RR	14.4	14.1	12.4	11.8	14.1	10.4	12.8
N8001	16.9	16.2	14.2	13.2	16.5	11.6	14.8
N05-7432	16.8	15.3	14.4	13.3	16.1	11.7	14.6
G10-3896 RR	16.6	14.8	12.7	12.2	14.1	11.7	13.7
G10-3913R2	19.0	17.2	14.6	15.2	17.8	15.9	16.6
G11PR-209R2	15.1	14.9	12.6	13.1	15.0	11.4	13.7
G11PR-266R2	14.4	13.1	11.7	12.8	14.8	11.6	13.0
G11PR-407R2	17.0	15.8	13.9	13.9	15.2	14.4	15.0
G11PR-56151R2	17.2	17.3	14.5	14.0	16.7	15.4	15.8
G11PR-56232R2	15.5	14.8	13.4	13.6	15.5	12.4	14.2
N09-13317	16.5	17.6	14.0	14.6	17.3	13.3	15.5
SC10-270RR	16.4	15.6	14.1	14.9	16.3	12.1	14.9
SC10-273RR	16.7	15.7	13.7	14.6	17.9	12.4	15.2
SC10-359RR	18.4	18.3	14.6	17.3	18.2	13.0	16.6
SC10-394RR	16.8	16.5	14.0	14.9	17.2	12.9	15.4
SC10-455RR	15.2	16.0	12.9	14.7	16.0	10.7	14.3
SC10-456RR	15.5	15.7	14.3	14.9	16.5	12.0	14.8
Mean	16.4	15.8	13.6	14.0	16.2	12.5	.

TABLE 117 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR PRELIMINARY GROUP VIII FOR YEAR 2013

STRAIN/ VARIETY	Athens, GA(A)	Clayton, NC	Florence, SC	Kinston, NC	Plains, GA	Tallassee, AL(A)	Test Mean
AGS828RR	10/19	11/7	.	10/27	.	10/15	10/25
N8001	-1	-6	.	0	.	-1	-2
N05-7432	6	-1	.	5	.	9	5
G10-3896 RR	5	0	.	4	.	9	5
G10-3913R2	0	-8	.	-2	.	1	-2
G11PR-209R2	-2	-3	.	-3	.	-1	-2
G11PR-266R2	0	-7	.	2	.	1	-1
G11PR-407R2	4	0	.	5	.	11	5
G11PR-56151R2	-1	-6	.	1	.	1	-1
G11PR-56232R2	-2	-7	.	-3	.	1	-3
N09-13317	3	-1	.	4	.	5	3
SC10-270RR	-3	0	.	3	.	15	4
SC10-273RR	-1	-1	.	5	.	8	3
SC10-359RR	2	-1	.	0	.	6	2
SC10-394RR	-2	-1	.	1	.	8	2
SC10-455RR	-2	-1	.	4	.	5	1
SC10-456RR	-4	-3	.	-1	.	3	-1
Mean	0	-3	.	1	.	5	.

TABLE 118 - HEIGHT IN INCHES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII FOR YEAR 2013

STRAIN/ VARIETY	Athens, GA(A)	Clayton, NC	Florence, SC	Kinston, NC	Plains, GA	Tallassee, AL(A)	Test Mean
AGS828RR	41	39	23	34	38	30	33
N8001	38	31	28	30	39	26	32
N05-7432	38	28	22	31	38	23	30
G10-3896 RR	46	28	25	37	45	30	36
G10-3913R2	42	23	22	34	41	30	33
G11PR-209R2	39	34	22	34	35	27	31
G11PR-266R2	40	31	24	34	36	26	31
G11PR-407R2	43	36	24	36	43	26	34
G11PR-56151R2	43	40	20	37	41	28	34
G11PR-56232R2	42	27	21	36	39	28	32
N09-13317	43	29	22	36	39	30	33
SC10-270RR	42	30	26	32	43	25	33
SC10-273RR	43	34	30	37	46	32	37
SC10-359RR	40	27	26	33	43	27	33
SC10-394RR	42	25	24	32	44	30	33
SC10-455RR	42	30	26	31	42	28	33
SC10-456RR	42	30	31	37	45	33	37
Mean	41	31	24	34	41	28	.

**TABLE 119 - LODGING SCORE FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP VIII FOR YEAR 2013**

STRAIN/ VARIETY	Athens, GA(A)	Clayton, NC	Florence, SC	Kinston, NC	Plains, GA	Tallassee, AL(A)	Test Mean
AGS828RR	2.0	2.5	2.0	2.0	1.0	1.0	1.7
N8001	1.0	1.8	2.0	1.0	1.0	1.0	1.3
N05-7432	1.7	2.5	2.0	2.5	1.7	1.0	1.9
G10-3896 RR	1.7	1.8	1.8	1.5	1.0	1.0	1.5
G10-3913R2	1.7	1.3	1.8	1.3	1.3	1.0	1.4
G11PR-209R2	1.7	2.3	1.8	1.5	1.0	1.0	1.5
G11PR-266R2	2.0	1.8	2.0	1.8	1.0	1.0	1.6
G11PR-407R2	1.7	2.0	1.8	1.5	1.0	1.0	1.5
G11PR-56151R2	2.0	2.0	1.7	1.5	1.0	1.0	1.5
G11PR-56232R2	2.0	1.5	2.0	1.5	1.0	1.0	1.5
N09-13317	1.7	2.0	2.0	1.8	1.3	1.0	1.6
SC10-270RR	1.0	1.3	2.0	1.0	1.0	1.0	1.2
SC10-273RR	1.3	2.3	2.0	2.0	1.7	1.3	1.7
SC10-359RR	1.0	1.3	2.0	1.3	1.0	1.0	1.3
SC10-394RR	1.0	1.0	2.0	1.0	1.0	1.0	1.2
SC10-455RR	1.0	1.3	2.0	1.3	1.0	1.0	1.3
SC10-456RR	1.0	1.0	2.0	1.0	1.0	1.0	1.2
Mean	1.5	1.7	1.9	1.5	1.1	1.0	.

**TABLE 120 - SEED QUALITY SCORE FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP VIII FOR YEAR 2013**

STRAIN/ VARIETY	Athens, GA(A)	Clayton, NC	Florence, SC	Kinston, NC	Plains, GA	Tallassee, AL(A)	Test Mean
AGS828RR	1.0	.	2.5	.	1.0	1.5	1.5
N8001	1.0	.	2.3	.	1.0	1.4	1.4
N05-7432	1.0	.	2.8	.	1.0	1.2	1.5
G10-3896 RR	1.0	.	2.3	.	1.0	1.1	1.4
G10-3913R2	1.0	.	2.7	.	1.0	1.2	1.5
G11PR-209R2	1.0	.	2.3	.	1.0	1.0	1.3
G11PR-266R2	1.0	.	2.8	.	2.0	1.1	1.7
G11PR-407R2	1.0	.	2.7	.	1.0	1.0	1.4
G11PR-56151R2	1.0	.	3.2	.	1.0	1.1	1.6
G11PR-56232R2	1.0	.	3.0	.	1.7	1.0	1.7
N09-13317	1.0	.	2.3	.	2.0	1.3	1.7
SC10-270RR	1.0	.	3.8	.	1.3	1.3	1.8
SC10-273RR	1.0	.	3.3	.	1.3	1.1	1.7
SC10-359RR	2.0	.	3.5	.	2.0	1.2	2.2
SC10-394RR	1.3	.	3.2	.	2.0	1.4	2.0
SC10-455RR	1.3	.	3.8	.	1.7	1.2	2.0
SC10-456RR	1.0	.	2.3	.	2.0	1.5	1.7
Mean	1.1	.	2.9	.	1.4	1.2	.